


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER GMBU D-13-9-16				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-035521A			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		630 FSL 687 FWL		SWSW	12	9.0 S	16.0 E	S		
Top of Uppermost Producing Zone		236 FSL 1051 FWL		SWSW	12	9.0 S	16.0 E	S		
At Total Depth		165 FNL 1398 FWL		NENW	13	9.0 S	16.0 E	S		
21. COUNTY DUCESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 165			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 970			26. PROPOSED DEPTH MD: 5955 TVD: 5842				
27. ELEVATION - GROUND LEVEL 5492			28. BOND NUMBER WYB000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
Prod	7.875	5.5	0 - 5955	15.5	J-55 LT&C	8.3	Premium Lite High Strength	273	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 08/28/2012			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013516800000				APPROVAL   Permit Manager						

NEWFIELD PRODUCTION COMPANY  
GMBU D-13-9-16  
AT SURFACE: SW/SW SECTION 12, T9S R16E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1395'
Green River	1395'
Wasatch	6040'
<b>Proposed TD</b>	<b>5955'</b>

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)      1395' – 6040'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

**a. Casing Design: GMBU D-13-9-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	5,955'	15.5	J-55	LTC	4,810 2.54	4,040 2.13	217,000 2.35

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

**b. Cementing Design: GMBU D-13-9-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	3,955'	Prem Lite II w/ 10% gel + 3% KCl	273 891	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 300$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 300$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2013, and take approximately seven (7) days from spud to rig release.

RECEIVED: August 28, 2012

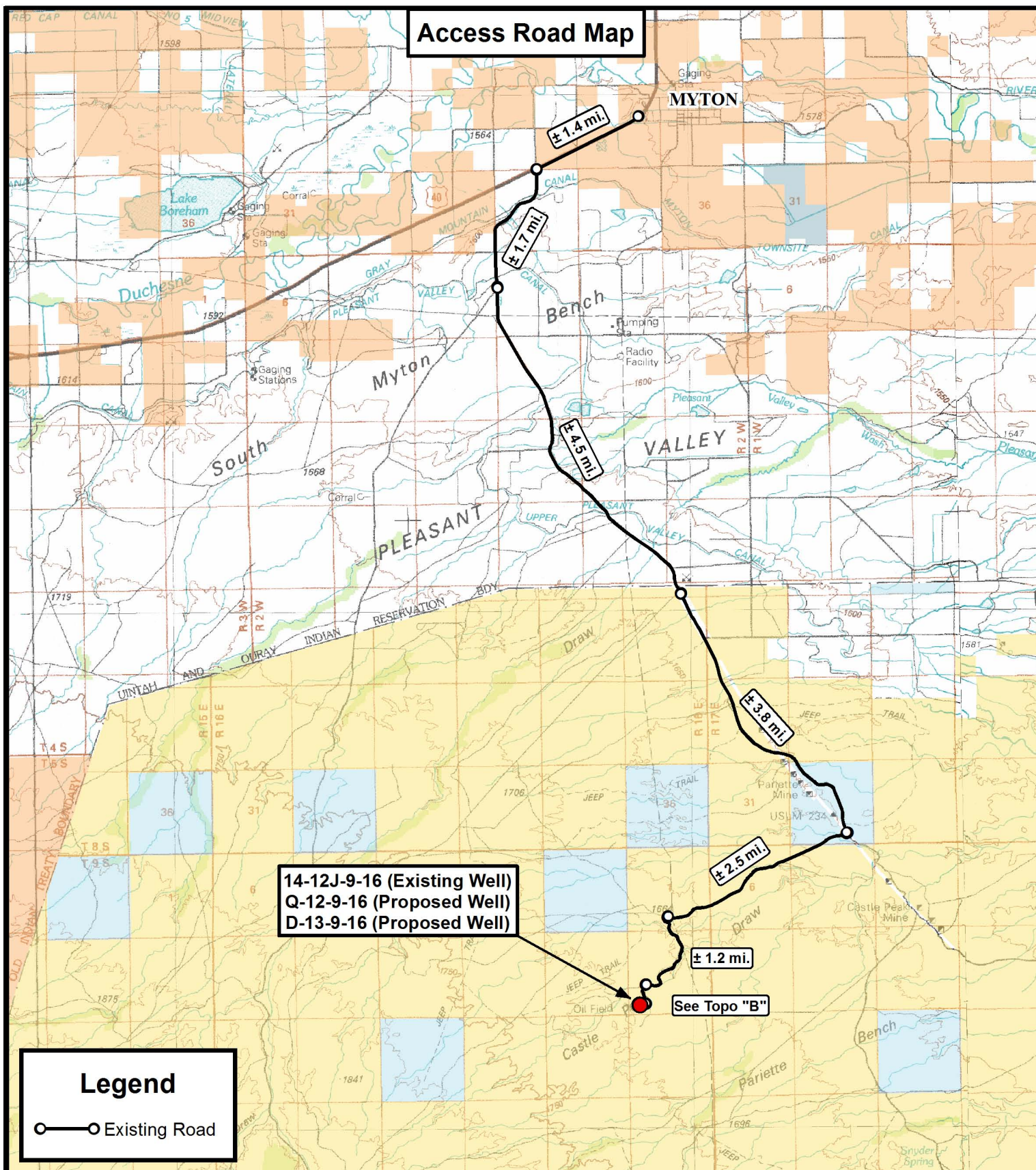
<b>NAD 83 (BOTTOM HOLE LOCATION)</b>
LATITUDE = 40°02'15.51"
LONGITUDE = 110°04'20.04"
<b>NAD 27 (BOTTOM HOLE LOCATION)</b>
LATITUDE = 40°02'15.64"
LONGITUDE = 110°04'17.50"

REGISTERED LAND SURVEYOR  
REGISTRATION No. 180737  
STATE OF UTAH

RECEIVED: August 28, 2012



## Access Road Map



180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

## NEWFIELD EXPLORATION COMPANY

14-12J-9-16 (Existing Well)  
Q-12-9-16 (Proposed Well)  
D-13-9-16 (Proposed Well)

SEC. 12, T9S, R16E, S.L.B.&amp;M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	05-29-2012		V2
SCALE:	1:100,000		

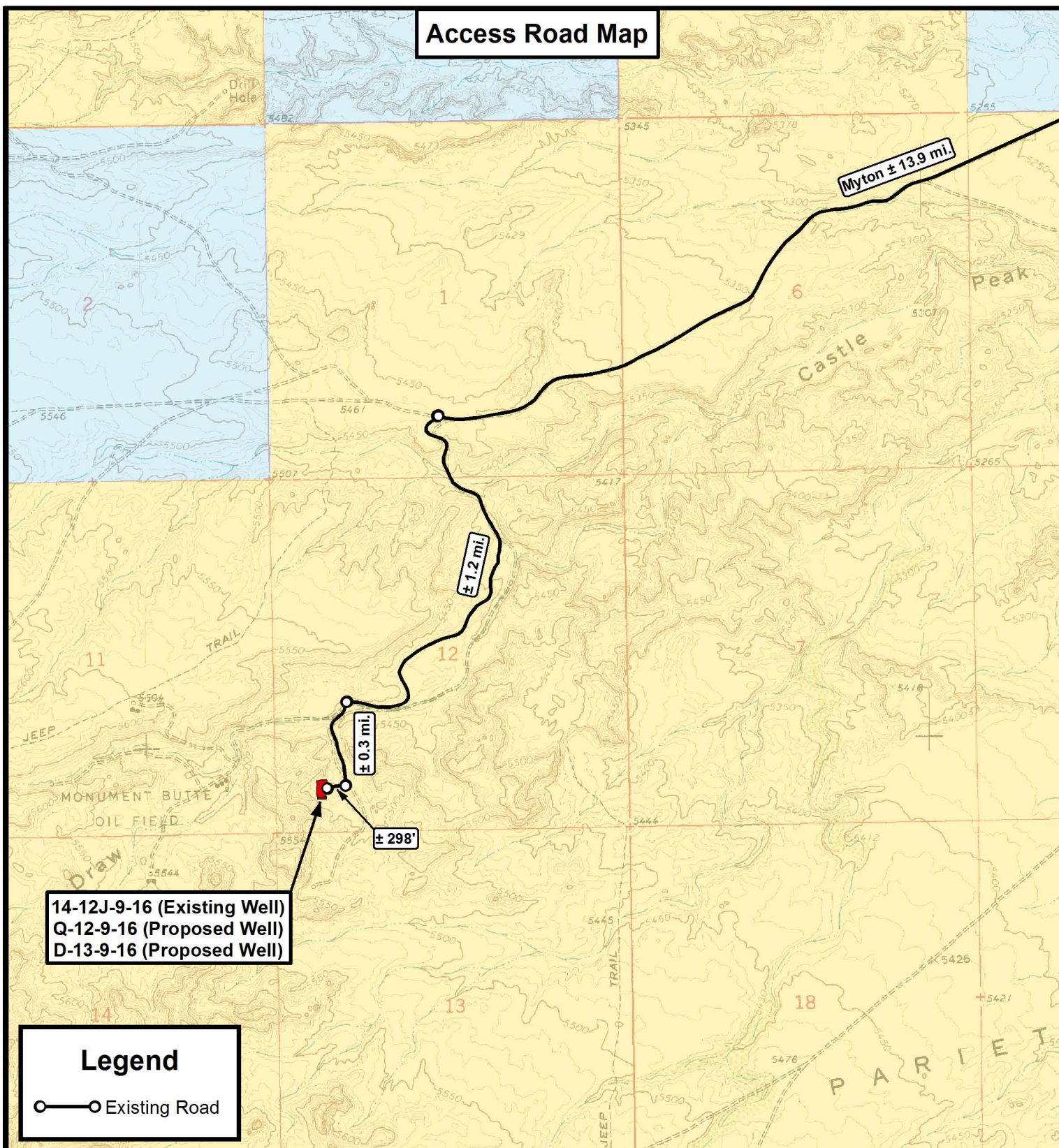
TOPOGRAPHIC MAP

SHEET

A



## Access Road Map



## Legend

—○— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

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DRAWN BY: A.P.C. REVISED: 05-29-12 A.P.C. VERSION:

DATE: 03-01-2012

SCALE: 1" = 2,000'

**V2**

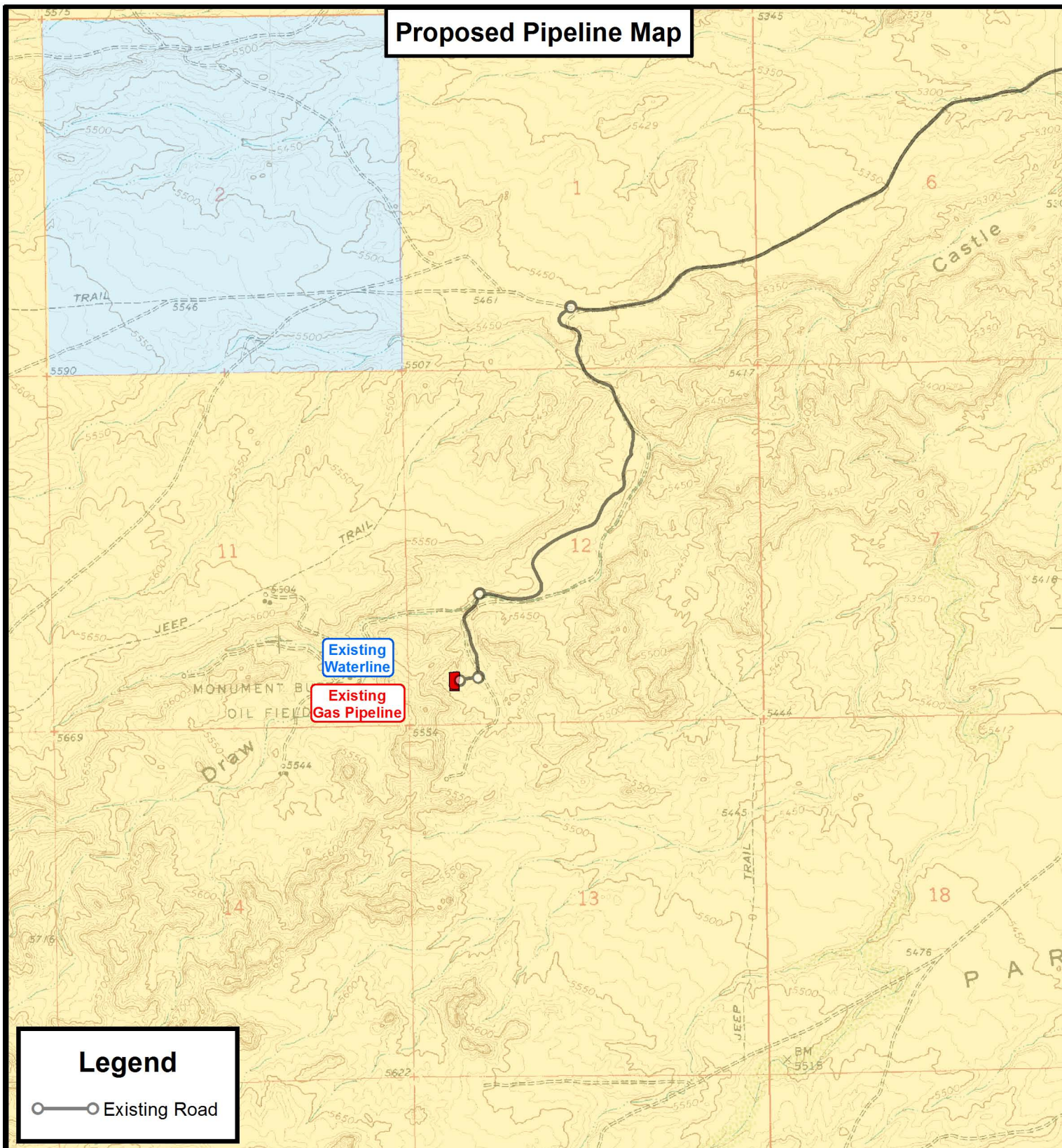
**TOPOGRAPHIC MAP**

SHEET

**B**



# Proposed Pipeline Map



## Legend

Existing Road

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SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-29-12 A.P.C.	VERSION:
DATE:	03-01-2012			<b>V2</b>
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

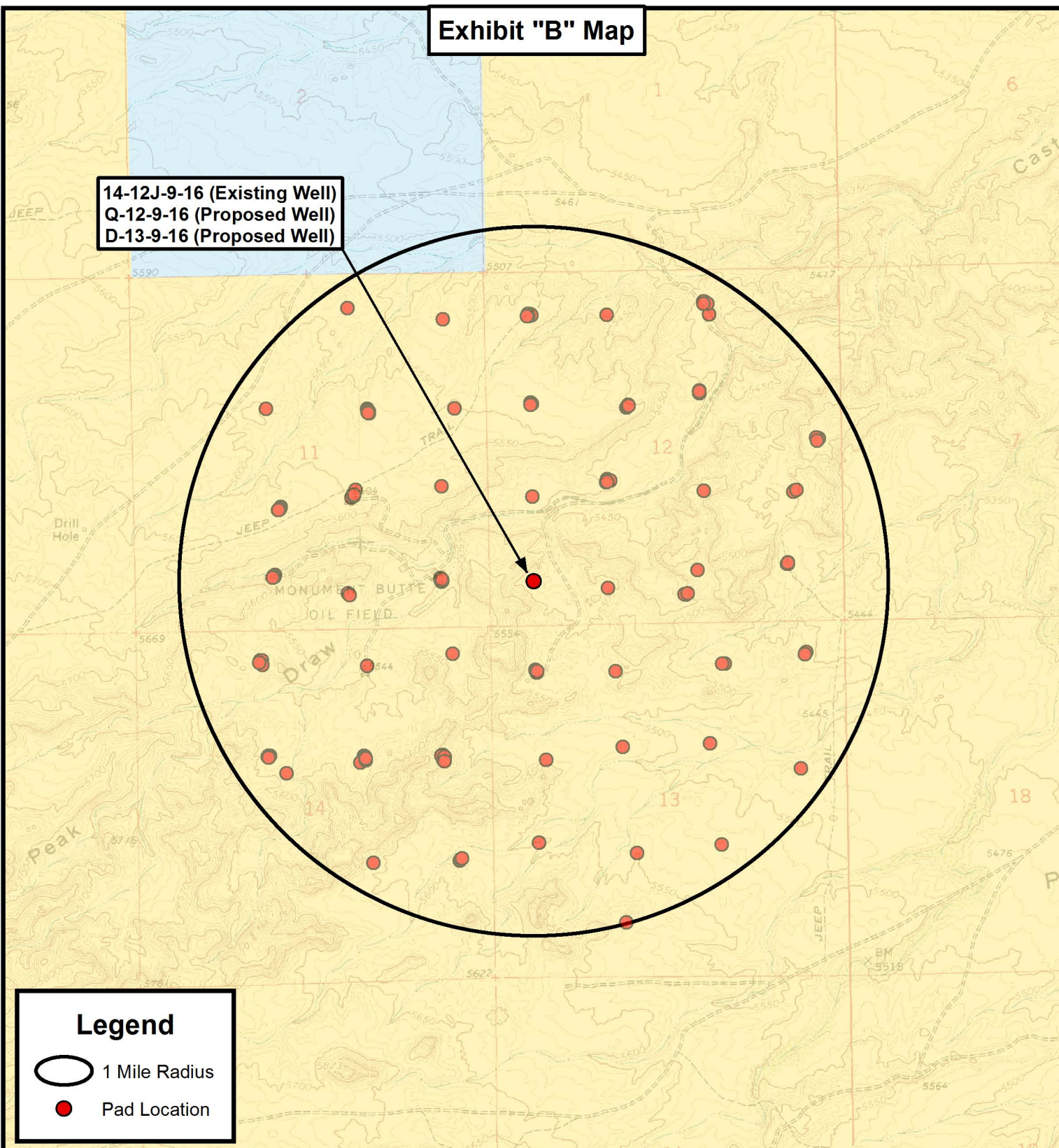
SHEET

**C**



**Exhibit "B" Map**

14-12J-9-16 (Existing Well)  
Q-12-9-16 (Proposed Well)  
D-13-9-16 (Proposed Well)

**Legend**

- 1 Mile Radius  
● Pad Location

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**NEWFIELD EXPLORATION COMPANY**

14-12J-9-16 (Existing Well)  
Q-12-9-16 (Proposed Well)  
D-13-9-16 (Proposed Well)

SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	05-29-2012		<b>V2</b>
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET

**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 12 T9, R16**

**D-13-9-16**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**28 May, 2012**





## Payzone Directional

## Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well D-13-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	D-13-9-16 @ 5504.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	D-13-9-16 @ 5504.0ft (Original Well Elev)
<b>Site:</b>	SECTION 12 T9, R16	<b>North Reference:</b>	True
<b>Well:</b>	D-13-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	SECTION 12 T9, R16, SEC 12 T9S, R16E			
<b>Site Position:</b>		<b>Northing:</b>	7,187,142.02 ft	<b>Latitude:</b> 40° 2' 30.286 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,041,496.20 ft	<b>Longitude:</b> 110° 4' 2.413 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b> 0.92 °

<b>Well</b>	D-13-9-16, SHL LAT: 40 02 23.37 LONG: -110 04 29.17			
<b>Well Position</b>	<b>+N/-S</b>	-699.9 ft	<b>Northing:</b>	7,186,409.06 ft
	<b>+E/-W</b>	-2,080.9 ft	<b>Easting:</b>	2,039,426.77 ft
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,504.0 ft
			<b>Ground Level:</b>	5,492.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/28/2012	11.20	65.76	52,172

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	4,560.0	0.0	0.0	137.34

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,430.5	12.46	137.34	1,424.0	-66.1	60.9	1.50	1.50	0.00	137.34	
4,642.1	12.46	137.34	4,560.0	-575.6	530.4	0.00	0.00	0.00	0.00	D-13-9-16 TGT
5,955.1	12.46	137.34	5,842.0	-783.9	722.4	0.00	0.00	0.00	0.00	





## Payzone Directional

## Planning Report



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<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	D-13-9-16 @ 5504.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	D-13-9-16 @ 5504.0ft (Original Well Elev)
<b>Site:</b>	SECTION 12 T9, R16	<b>North Reference:</b>	True
<b>Well:</b>	D-13-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	137.34	700.0	-1.0	0.9	1.3	1.50	1.50	0.00
800.0	3.00	137.34	799.9	-3.8	3.5	5.2	1.50	1.50	0.00
900.0	4.50	137.34	899.7	-8.7	8.0	11.8	1.50	1.50	0.00
1,000.0	6.00	137.34	999.3	-15.4	14.2	20.9	1.50	1.50	0.00
1,100.0	7.50	137.34	1,098.6	-24.0	22.1	32.7	1.50	1.50	0.00
1,200.0	9.00	137.34	1,197.5	-34.6	31.9	47.0	1.50	1.50	0.00
1,300.0	10.50	137.34	1,296.1	-47.0	43.3	64.0	1.50	1.50	0.00
1,400.0	12.00	137.34	1,394.2	-61.4	56.6	83.5	1.50	1.50	0.00
1,430.5	12.46	137.34	1,424.0	-66.1	60.9	89.9	1.50	1.50	0.00
1,500.0	12.46	137.34	1,491.8	-77.2	71.1	104.9	0.00	0.00	0.00
1,600.0	12.46	137.34	1,589.5	-93.0	85.7	126.5	0.00	0.00	0.00
1,700.0	12.46	137.34	1,687.1	-108.9	100.3	148.1	0.00	0.00	0.00
1,800.0	12.46	137.34	1,784.8	-124.8	115.0	169.6	0.00	0.00	0.00
1,900.0	12.46	137.34	1,882.4	-140.6	129.6	191.2	0.00	0.00	0.00
2,000.0	12.46	137.34	1,980.1	-156.5	144.2	212.8	0.00	0.00	0.00
2,100.0	12.46	137.34	2,077.7	-172.3	158.8	234.4	0.00	0.00	0.00
2,200.0	12.46	137.34	2,175.4	-188.2	173.4	255.9	0.00	0.00	0.00
2,300.0	12.46	137.34	2,273.0	-204.1	188.0	277.5	0.00	0.00	0.00
2,400.0	12.46	137.34	2,370.6	-219.9	202.7	299.1	0.00	0.00	0.00
2,500.0	12.46	137.34	2,468.3	-235.8	217.3	320.6	0.00	0.00	0.00
2,600.0	12.46	137.34	2,565.9	-251.7	231.9	342.2	0.00	0.00	0.00
2,700.0	12.46	137.34	2,663.6	-267.5	246.5	363.8	0.00	0.00	0.00
2,800.0	12.46	137.34	2,761.2	-283.4	261.1	385.4	0.00	0.00	0.00
2,900.0	12.46	137.34	2,858.9	-299.3	275.8	406.9	0.00	0.00	0.00
3,000.0	12.46	137.34	2,956.5	-315.1	290.4	428.5	0.00	0.00	0.00
3,100.0	12.46	137.34	3,054.2	-331.0	305.0	450.1	0.00	0.00	0.00
3,200.0	12.46	137.34	3,151.8	-346.8	319.6	471.7	0.00	0.00	0.00
3,300.0	12.46	137.34	3,249.5	-362.7	334.2	493.2	0.00	0.00	0.00
3,400.0	12.46	137.34	3,347.1	-378.6	348.9	514.8	0.00	0.00	0.00
3,500.0	12.46	137.34	3,444.7	-394.4	363.5	536.4	0.00	0.00	0.00
3,600.0	12.46	137.34	3,542.4	-410.3	378.1	557.9	0.00	0.00	0.00
3,700.0	12.46	137.34	3,640.0	-426.2	392.7	579.5	0.00	0.00	0.00
3,800.0	12.46	137.34	3,737.7	-442.0	407.3	601.1	0.00	0.00	0.00
3,900.0	12.46	137.34	3,835.3	-457.9	421.9	622.7	0.00	0.00	0.00
4,000.0	12.46	137.34	3,933.0	-473.8	436.6	644.2	0.00	0.00	0.00
4,100.0	12.46	137.34	4,030.6	-489.6	451.2	665.8	0.00	0.00	0.00
4,200.0	12.46	137.34	4,128.3	-505.5	465.8	687.4	0.00	0.00	0.00
4,300.0	12.46	137.34	4,225.9	-521.4	480.4	709.0	0.00	0.00	0.00
4,400.0	12.46	137.34	4,323.6	-537.2	495.0	730.5	0.00	0.00	0.00
4,500.0	12.46	137.34	4,421.2	-553.1	509.7	752.1	0.00	0.00	0.00
4,600.0	12.46	137.34	4,518.8	-568.9	524.3	773.7	0.00	0.00	0.00
4,642.1	12.46	137.34	4,560.0	-575.6	530.4	782.8	0.00	0.00	0.00
4,700.0	12.46	137.34	4,616.5	-584.8	538.9	795.2	0.00	0.00	0.00
4,800.0	12.46	137.34	4,714.1	-600.7	553.5	816.8	0.00	0.00	0.00
4,900.0	12.46	137.34	4,811.8	-616.5	568.1	838.4	0.00	0.00	0.00
5,000.0	12.46	137.34	4,909.4	-632.4	582.7	860.0	0.00	0.00	0.00
5,100.0	12.46	137.34	5,007.1	-648.3	597.4	881.5	0.00	0.00	0.00



## Payzone Directional

## Planning Report



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well D-13-9-16
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	D-13-9-16 @ 5504.0ft (Original Well Elev)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	D-13-9-16 @ 5504.0ft (Original Well Elev)
<b>Site:</b>	SECTION 12 T9, R16	<b>North Reference:</b>	True
<b>Well:</b>	D-13-9-16	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	12.46	137.34	5,104.7	-664.1	612.0	903.1	0.00	0.00	0.00
5,300.0	12.46	137.34	5,202.4	-680.0	626.6	924.7	0.00	0.00	0.00
5,400.0	12.46	137.34	5,300.0	-695.9	641.2	946.2	0.00	0.00	0.00
5,500.0	12.46	137.34	5,397.7	-711.7	655.8	967.8	0.00	0.00	0.00
5,600.0	12.46	137.34	5,495.3	-727.6	670.5	989.4	0.00	0.00	0.00
5,700.0	12.46	137.34	5,592.9	-743.5	685.1	1,011.0	0.00	0.00	0.00
5,800.0	12.46	137.34	5,690.6	-759.3	699.7	1,032.5	0.00	0.00	0.00
5,900.0	12.46	137.34	5,788.2	-775.2	714.3	1,054.1	0.00	0.00	0.00
5,955.1	12.46	137.34	5,842.0	-783.9	722.4	1,066.0	0.00	0.00	0.00

API Well Number: 43013516800000



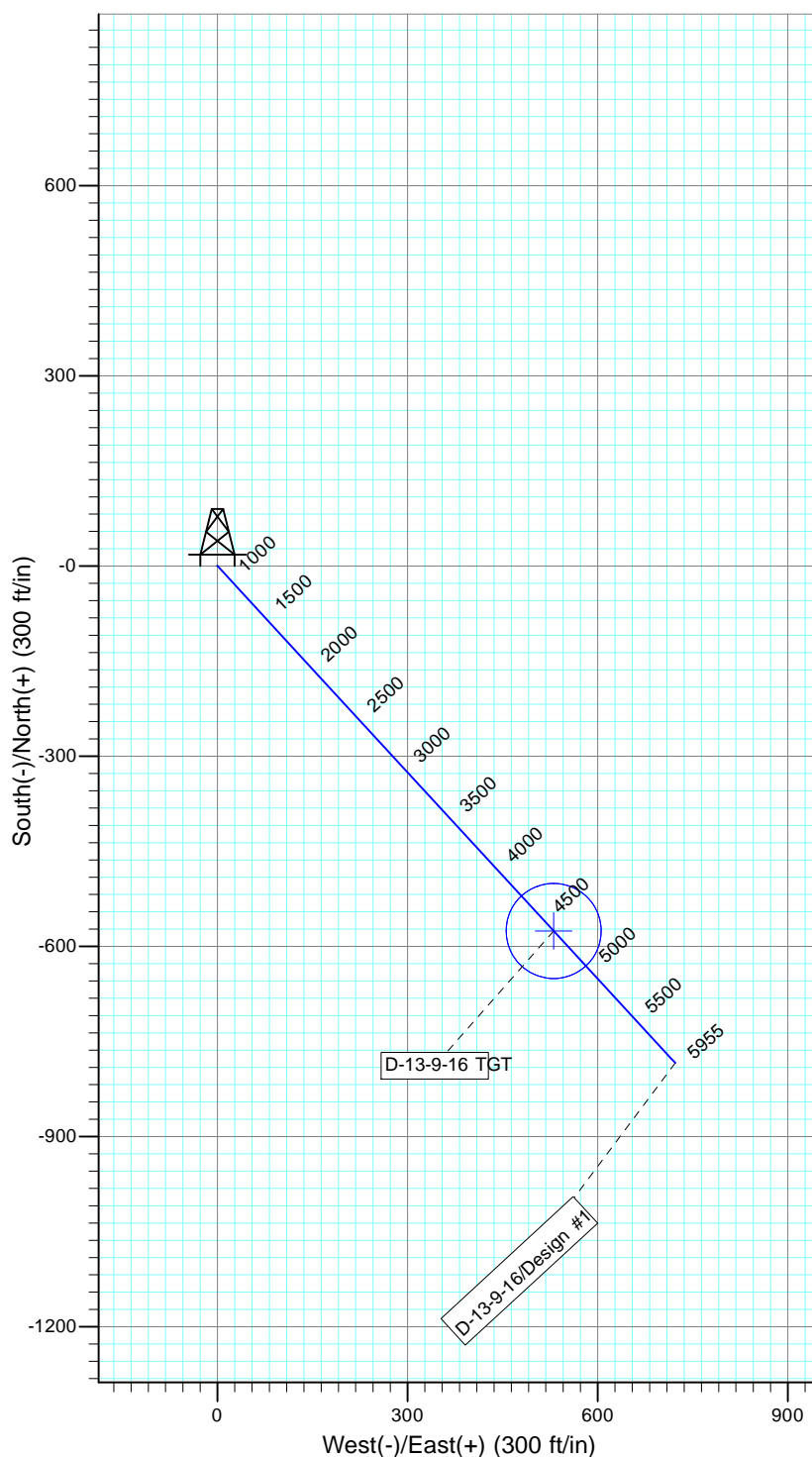
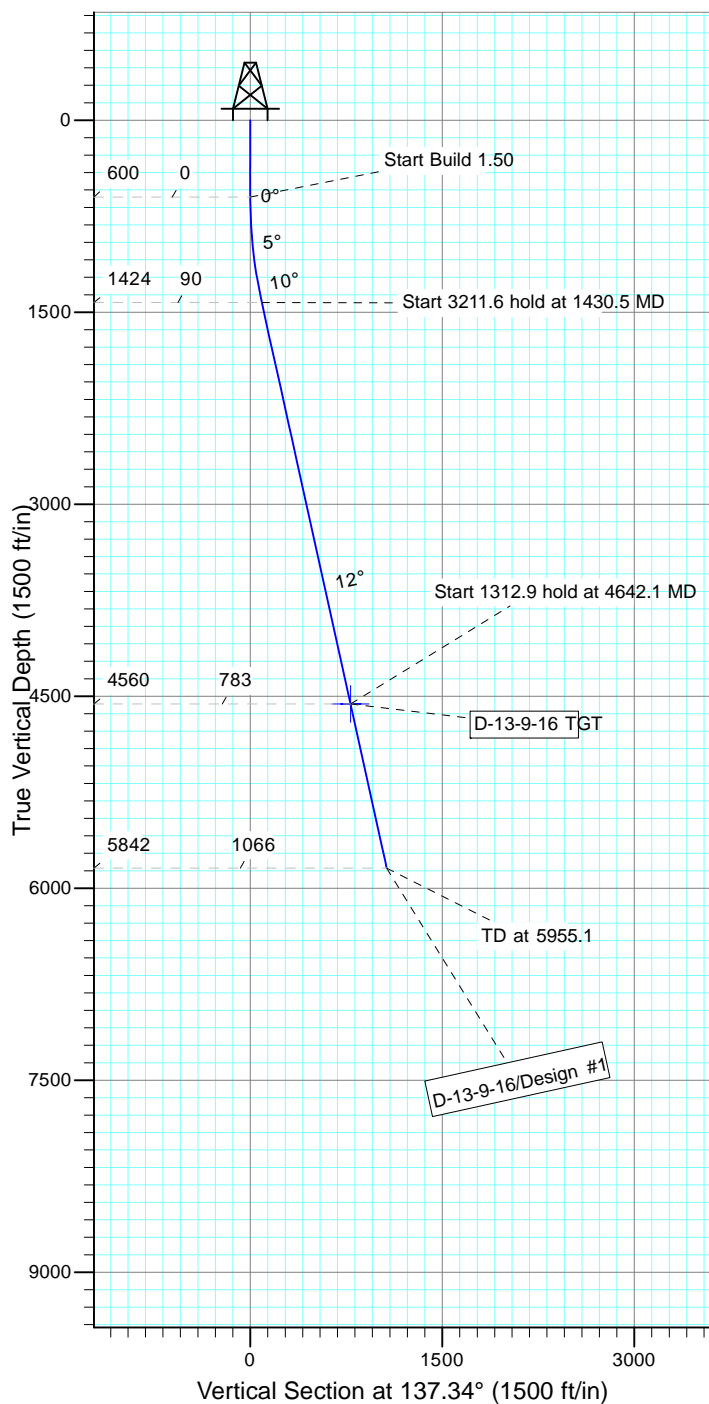
Project: USGS Myton SW (UT)  
 Site: SECTION 12 T9, R16  
 Well: D-13-9-16  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.20°

Magnetic Field  
 Strength: 52171.9snT  
 Dip Angle: 65.76°  
 Date: 5/28/2012  
 Model: IGRF2010

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100  
 TARGET RADIUS IS 75'



## WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
D-13-9-16 TGT	4560.0	-575.6	530.4	Circle (Radius: 75.0)

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1430.5	12.46	137.34	1424.0	-66.1	60.9	1.50	137.34	89.9	
4	4642.1	12.46	137.34	4560.0	-575.6	530.4	0.00	0.00	782.8	D-13-9-16 TGT
5	5955.1	12.46	137.34	5842.0	-783.9	722.4	0.00	0.00	1066.0	



**NEWFIELD PRODUCTION COMPANY  
GMBU D-13-9-16  
AT SURFACE: SW/SW SECTION 12, T9S R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU D-13-9-16 located in the SW 1/4 SW 1/4 Section 12, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 – 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 10.0 miles  $\pm$  to it's junction with an existing road to the southwest; proceed in a southwesterly direction – 2.5 miles  $\pm$  to it's junction with an existing road to the south; proceed in a southwesterly direction – 1.5 miles  $\pm$  to it's junction with the beginning of the access road to the existing 14-12J-9-16 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 14-12J-9-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**



There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-12-MQ-0402b 5/29/12, prepared by Montgomery Archaeological

Consultants. . Paleontological Resource Survey prepared by, Wade Miller, 5/22/12. See attached report cover pages, Exhibit "D".

#### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Details of the On-Site Inspection**

The proposed GMBU D-13-9-16 was on-sited on 7/3/12. The following were present; Corie Miller (Newfield Production) and Janna Simonsen (Bureau of Land Management).

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU D-13-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU D-13-9-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**  
**Representative**

Name: Corie Miller  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

#### **Certification**

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #D-13-9-16, Section 12, Township 9S, Range 16E: Lease UTU-035521A Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

8/27/12  
Date

Mandie Crozier  
Regulatory Analyst  
Newfield Production Company

## Typical 2M BOP stack configuration



2M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

# NEWFIELD EXPLORATION COMPANY

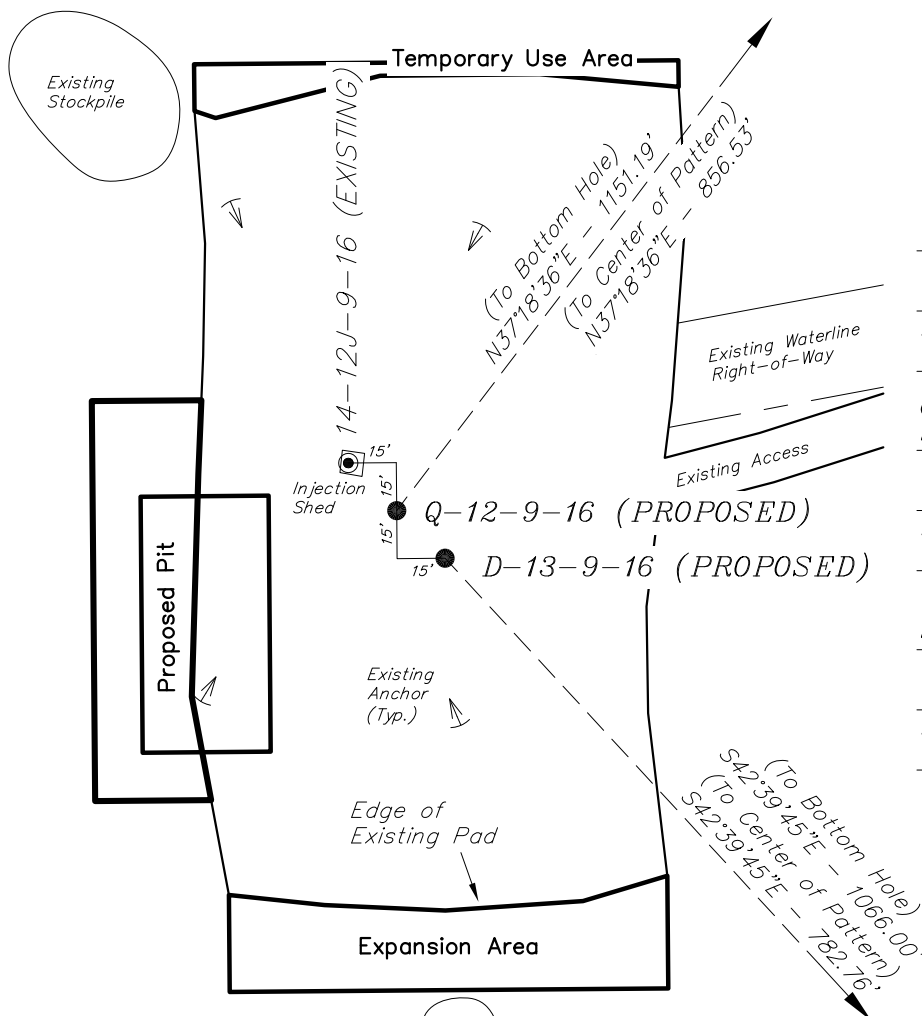
## WELL PAD INTERFERENCE PLAT

14-12J-9-16 (Existing Well)

Q-12-9-16 (Proposed Well)

D-13-9-16 (Proposed Well)

Pad Location: SWSW Section 12, T9S, R16E, S.L.B.&M.



### TOP HOLE FOOTAGES

Q-12-9-16 (PROPOSED)

645' FSL & 673' FWL

D-13-9-16 (PROPOSED)

630' FSL & 687' FWL

### CENTER OF PATTERN FOOTAGES

Q-12-9-16 (PROPOSED)

1318' FSL & 1201' FWL

D-13-9-16 (PROPOSED)

46' FSL & 1210' FWL

### BOTTOM HOLE FOOTAGES

Q-12-9-16 (PROPOSED)

1550' FSL & 1383' FWL

D-13-9-16 (PROPOSED)

165' FNL & 1398' FWL

### Note:

Bearings are based  
on GPS Observations.

### RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
Q-12-9-16	681'	519'
D-13-9-16	-576'	530'

### RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
Q-12-9-16	916'	698'
D-13-9-16	-784'	722'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
14-12J-9-16	40° 02' 23.66"	110° 04' 29.55"
Q-12-9-16	40° 02' 23.51"	110° 04' 29.36"
D-13-9-16	40° 02' 23.37"	110° 04' 29.17"

### LATITUDE & LONGITUDE Bottom Hole Position (NAD 83)

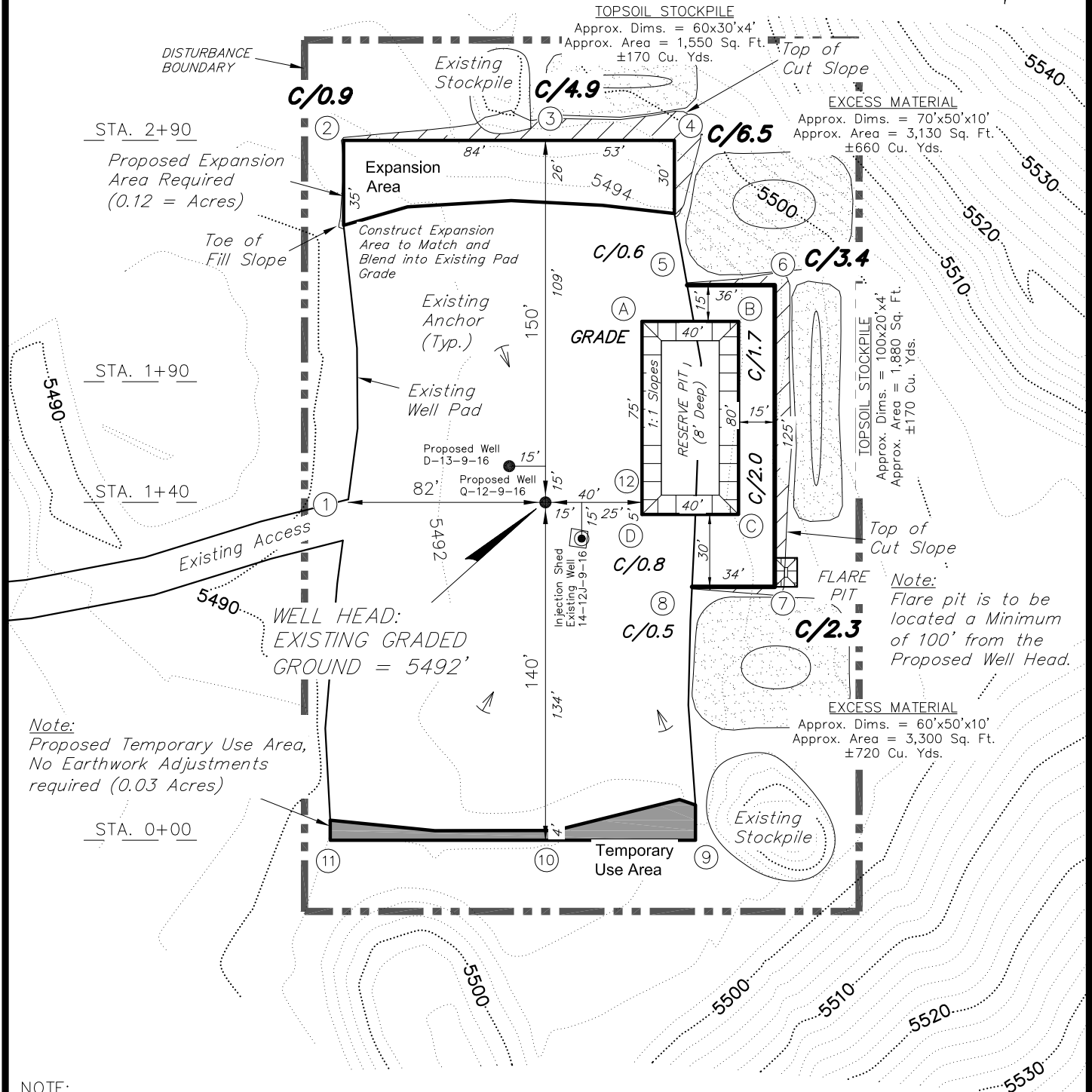
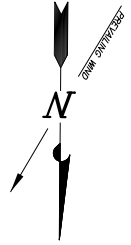
WELL	LATITUDE	LONGITUDE
Q-12-9-16	40° 02' 32.45"	110° 04' 20.20"
D-13-9-16	40° 00' 00.00"	110° 00' 00.00"

SURVEYED BY: C.S.	DATE SURVEYED: 02-08-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 05-29-12	V2
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: August 28, 2012



**NEWFIELD EXPLORATION COMPANY****LOCATION LAYOUT****14-12J-9-16 (Existing Well)****Q-12-9-16 (Proposed Well)****D-13-9-16 (Proposed Well)****Pad Location: SWSW Section 12, T9S, R16E, S.L.B.&M.****NOTE:**

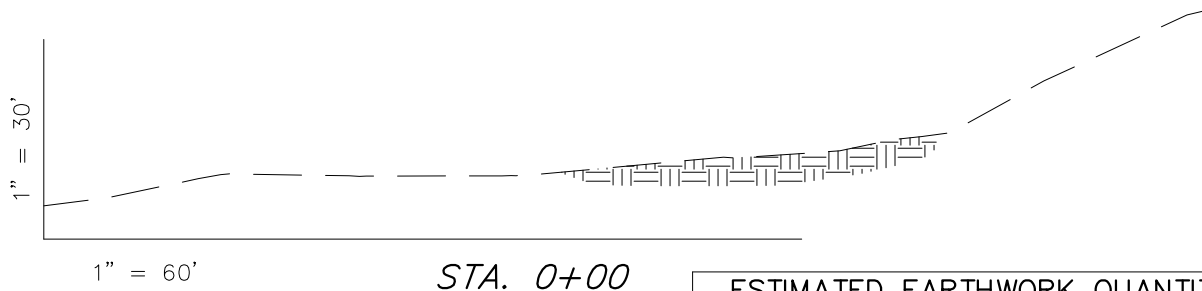
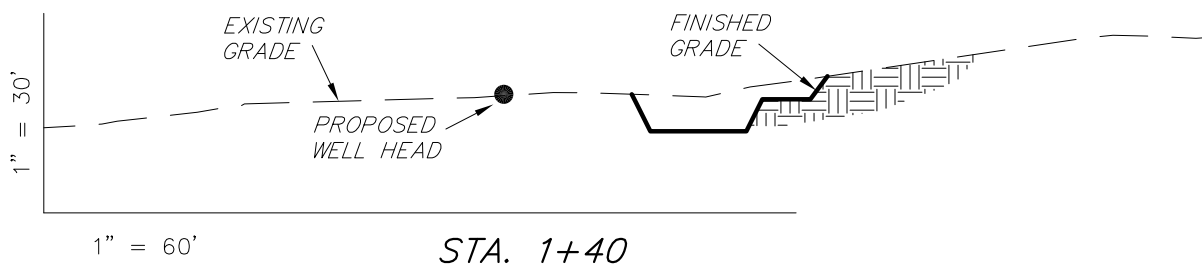
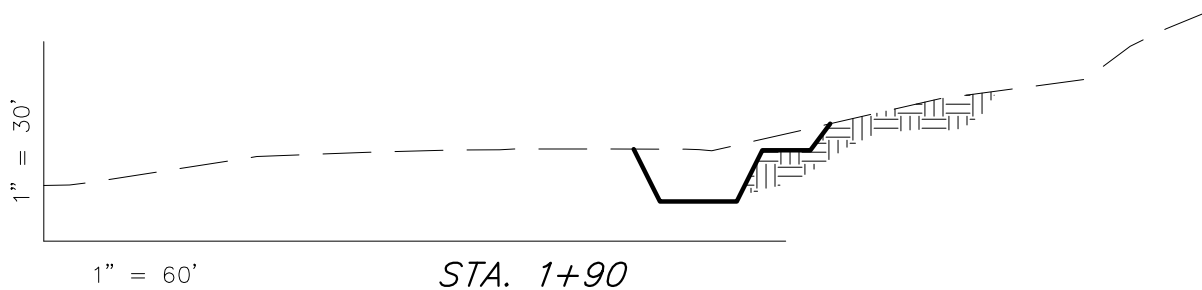
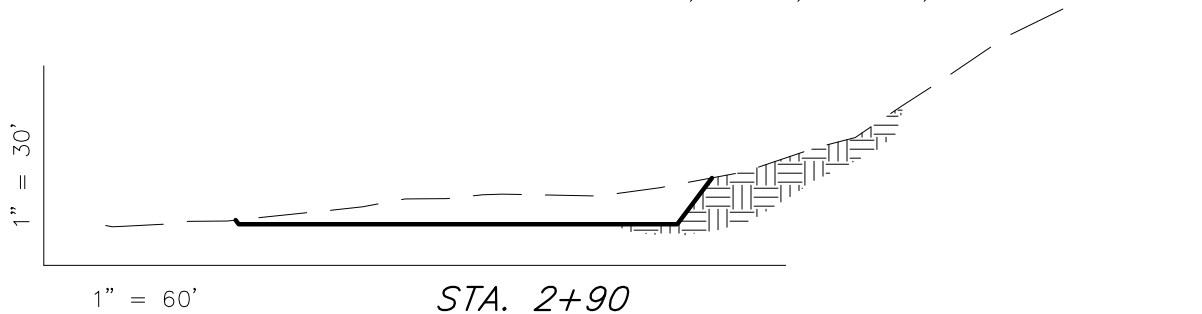
The topsoil & excess material areas are calculated as being mounds containing 1,720 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

**Note:**

Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

SURVEYED BY: C.S.	DATE SURVEYED: 02-08-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 02-27-12	V2
SCALE: 1" = 60'	REVISED: F.T.M. 05-29-12	

**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

***NEWFIELD EXPLORATION COMPANY******CROSS SECTIONS******14-12J-9-16 (Existing Well)******Q-12-9-16 (Proposed Well)******D-13-9-16 (Proposed Well)******Pad Location: SWSW Section 12, T9S, R16E, S.L.B.&M.***

NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

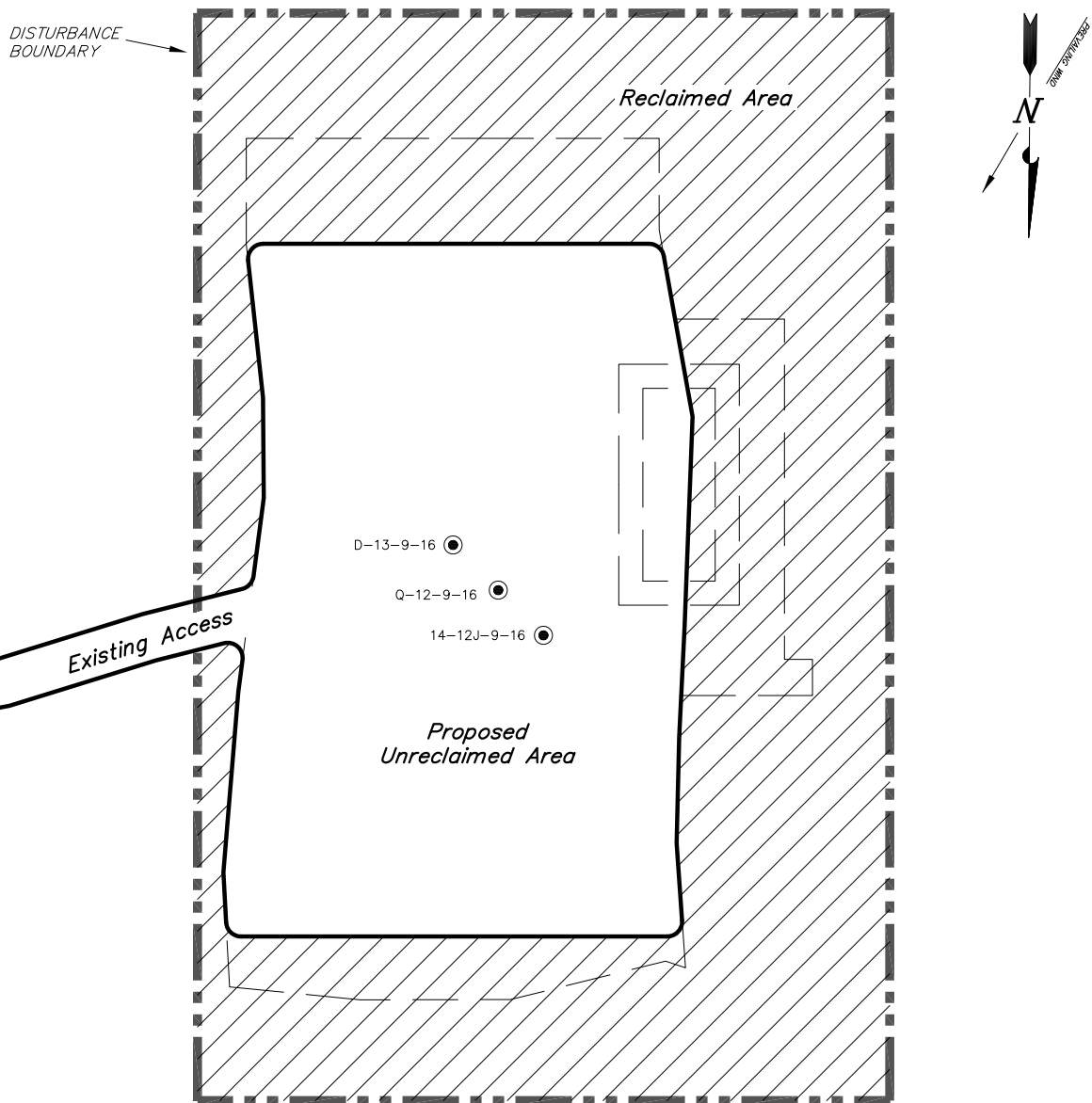
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	570	10	Topsoil is not included in Pad Cut	560
PIT	690	0		690
TOTALS	1,260	10	310	1,250

SURVEYED BY: C.S.	DATE SURVEYED: 02-08-12	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 02-27-12	V2
SCALE: 1" = 60'	REVISED: F.T.M. 05-29-12	

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

**RECEIVED: August 28, 2012**



***NEWFIELD EXPLORATION COMPANY******RECLAMATION LAYOUT******14-12J-9-16 (Existing Well)******Q-12-9-16 (Proposed Well)******D-13-9-16 (Proposed Well)******Pad Location: SWSW Section 12, T9S, R16E, S.L.B.&M.*****Notes:**

1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

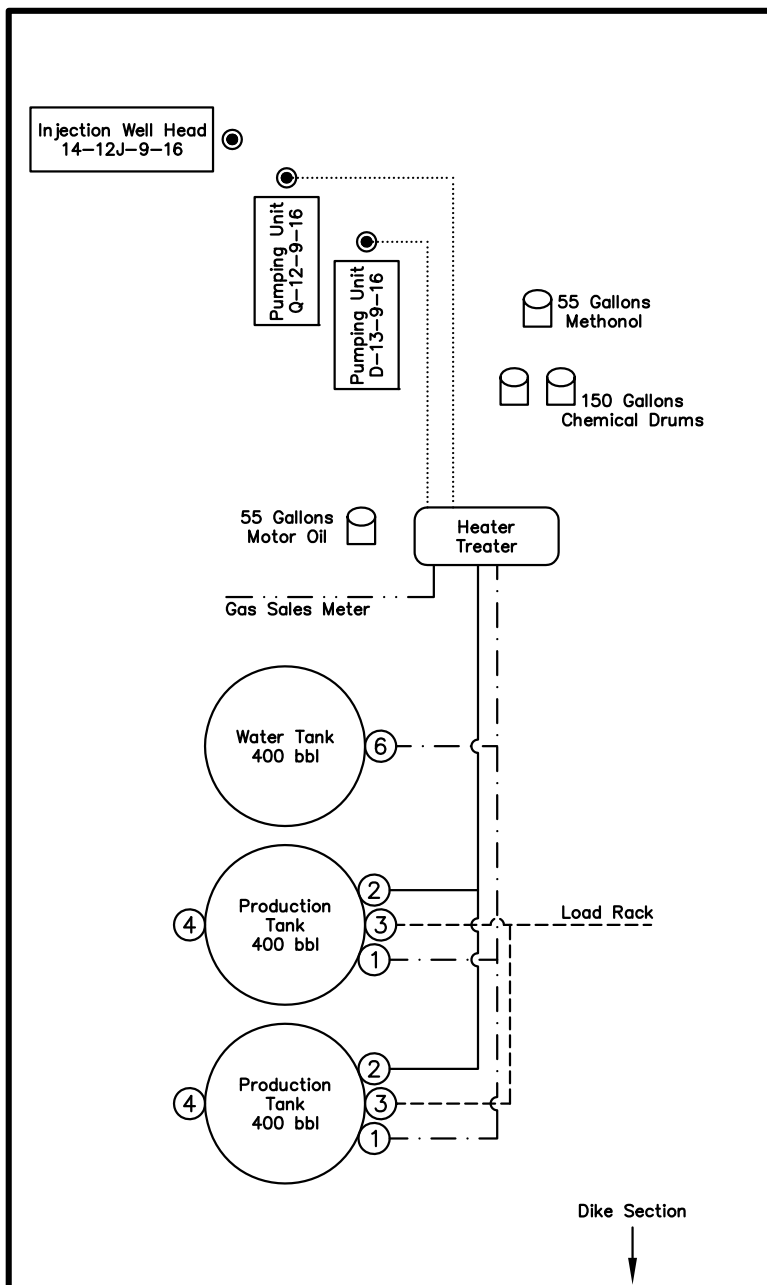
**DISTURBED AREA:**

TOTAL DISTURBED AREA = 1.91 ACRES  
 TOTAL RECLAIMED AREA = 1.14 ACRES  
 UNRECLAIMED AREA = 0.77 ACRES

SURVEYED BY: C.S.	DATE SURVEYED: 02-08-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 05-29-12	V2
SCALE: 1" = 60'	REVISED:	

**Tri State** (435) 781-2501  
*Land Surveying, Inc.*  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**RECEIVED:** August 28, 2012

**NEWFIELD EXPLORATION COMPANY****PROPOSED SITE FACILITY DIAGRAM****14-12J-9-16 (Existing Well)****Q-12-9-16 (Proposed Well)****D-13-9-16 (Proposed Well)***Pad Location: SWSW Section 12, T9S, R16E, S.L.B.&M.**Duchesne County, Utah**UTU-035521A***Legend**

Emulsion Line .....  
 Load Rack - - - - -  
 Water Line - . - . -  
 Gas Sales - . . . . -  
 Oil Line - - - - -

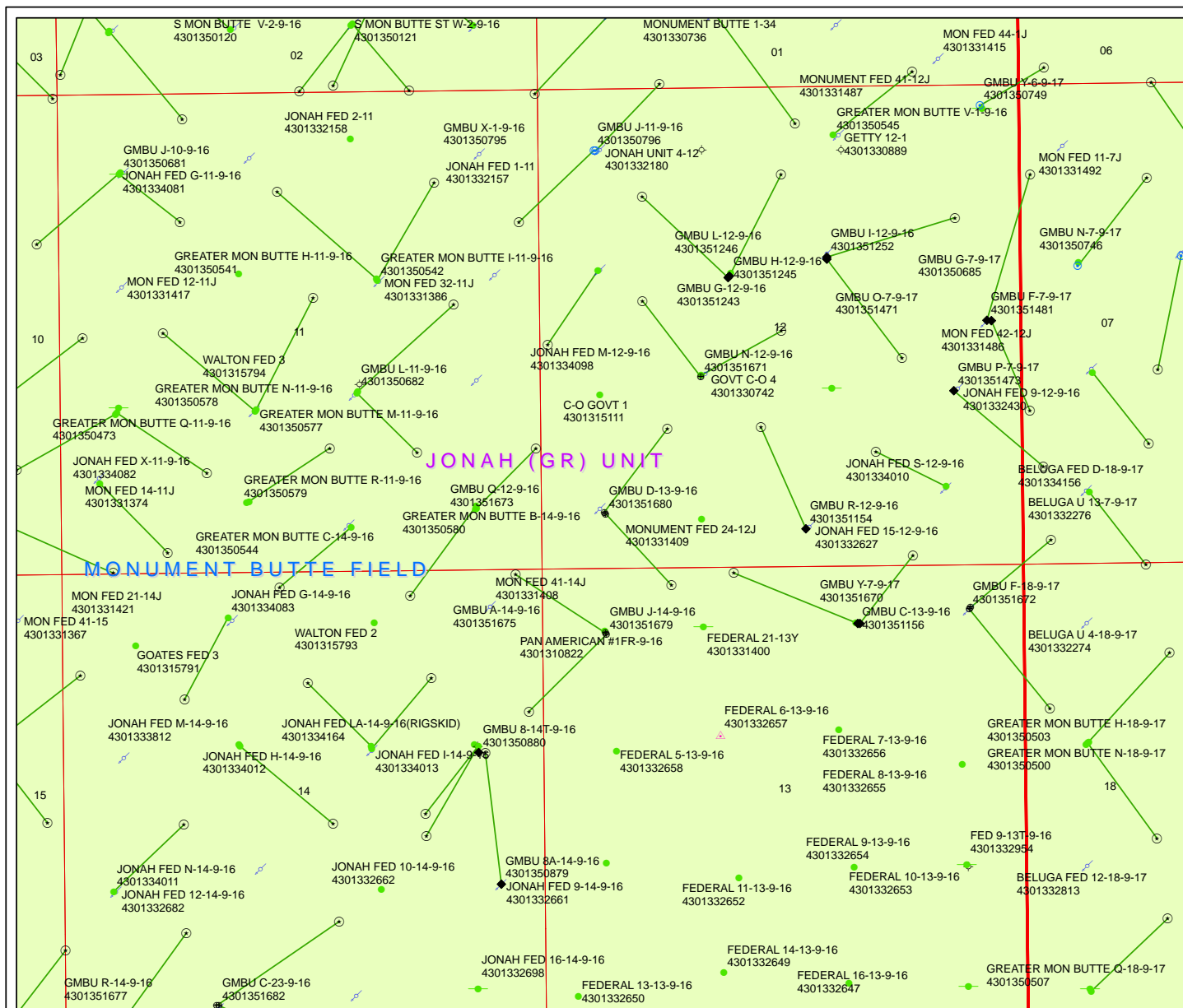
NOT TO SCALE

SURVEYED BY: C.S.	DATE SURVEYED: 02-08-12	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 05-29-12	V2
SCALE: NONE	REVISED:	

**Tri State** (435) 781-2501  
*Land Surveying, Inc.*  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

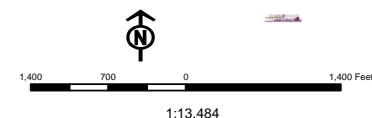
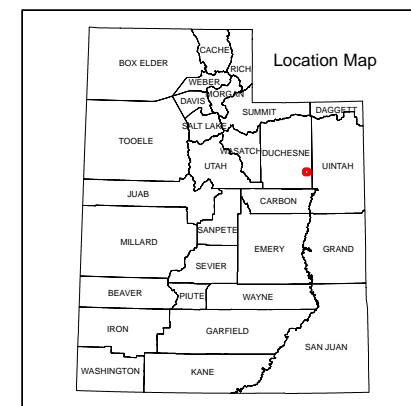
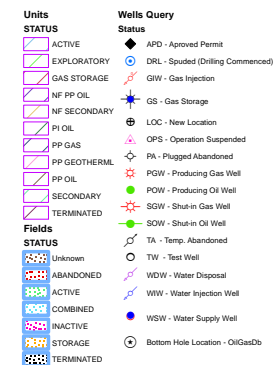
**RECEIVED: August 28, 2012**





**API Number: 4301351680**  
**Well Name: GMBU D-13-9-16**  
**Township T09.0S Range R16.0E Section 12**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
Map Produced by Diana Mason



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

September 4, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51670	GMBU Y-7-9-17	Sec 13 T09S R16E 0455 FNL 0587 FEL BHL Sec 07 T09S R17E 0276 FSL 0304 FWL
43-013-51671	GMBU N-12-9-16	Sec 12 T09S R16E 2119 FSL 1759 FWL BHL Sec 12 T09S R16E 2301 FNL 1135 FWL
43-013-51672	GMBU F-18-9-17	Sec 13 T09S R16E 0473 FNL 0598 FEL BHL Sec 18 T09S R17E 1576 FNL 0269 FWL
43-013-51673	GMBU Q-12-9-16	Sec 12 T09S R16E 0645 FSL 0673 FWL BHL Sec 12 T09S R16E 1550 FSL 1383 FWL
43-013-51674	GMBU V-15-9-16	Sec 22 T09S R16E 0907 FNL 0959 FEL BHL Sec 15 T09S R16E 0186 FSL 1308 FEL
43-013-51675	GMBU A-14-9-16	Sec 13 T09S R16E 0682 FNL 0673 FWL BHL Sec 14 T09S R16E 0026 FNL 0309 FEL
43-013-51676	GMBU X-14-9-16	Sec 23 T09S R16E 0518 FNL 0707 FWL BHL Sec 14 T09S R16E 0126 FSL 1403 FWL
43-013-51677	GMBU R-14-9-16	Sec 14 T09S R16E 0540 FSL 1674 FWL BHL Sec 14 T09S R16E 1435 FSL 2276 FEL

RECEIVED: September 04, 2012

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51678	GMBU Y-14-9-16	Sec 22 T09S R16E 0922 FNL 0944 FEL
	BHL	Sec 14 T09S R16E 0158 FSL 0472 FWL
43-013-51679	GMBU J-14-9-16	Sec 13 T09S R16E 0700 FNL 0683 FWL
	BHL	Sec 14 T09S R16E 1538 FNL 0175 FEL
43-013-51680	GMBU D-13-9-16	Sec 12 T09S R16E 0630 FSL 0687 FWL
	BHL	Sec 13 T09S R16E 0165 FNL 1398 FWL
43-013-51681	GMBU G-23-9-16	Sec 23 T09S R16E 0527 FNL 0726 FWL
	BHL	Sec 23 T09S R16E 1506 FNL 1459 FWL
43-013-51682	GMBU C-23-9-16	Sec 14 T09S R16E 0539 FSL 1695 FWL
	BHL	Sec 23 T09S R16E 0074 FNL 2329 FEL
43-013-51683	GMBU F-22-9-17	Sec 21 T09S R17E 2121 FNL 0803 FEL
	BHL	Sec 22 T09S R17E 1024 FNL 0349 FWL
43-013-51684	GMBU I-21-9-17	Sec 21 T09S R17E 2107 FNL 0819 FEL
	BHL	Sec 21 T09S R17E 1150 FNL 1618 FEL
43-013-51685	GMBU B-16-9-16	Sec 09 T09S R16E 0718 FSL 0752 FEL
	BHL	Sec 16 T09S R16E 0150 FNL 1539 FEL
43-013-51686	GMBU T-8-9-16	Sec 08 T09S R16E 2112 FSL 0904 FEL
	BHL	Sec 08 T09S R16E 1138 FSL 0214 FEL
43-013-51687	GMBU L-8-9-16	Sec 08 T09S R16E 1836 FSL 2042 FEL
	BHL	Sec 08 T09S R16E 2255 FNL 1307 FEL
43-013-51688	GMBU S-8-9-16	Sec 08 T09S R16E 1832 FSL 2021 FEL
	BHL	Sec 08 T09S R16E 1115 FSL 1081 FEL
43-013-51689	GMBU N-9-9-16	Sec 09 T09S R16E 2027 FSL 2003 FWL
	BHL	Sec 09 T09S R16E 2350 FNL 1018 FWL
43-013-51690	GMBU M-9-9-16	Sec 09 T09S R16E 1977 FNL 1935 FWL
	BHL	Sec 09 T09S R16E 2391 FSL 2646 FEL
43-013-51691	GMBU O-9-9-16	Sec 08 T09S R16E 2123 FSL 0922 FEL
	BHL	Sec 09 T09S R16E 2549 FNL 0350 FWL
43-013-51692	GMBU S-9-9-16	Sec 09 T09S R16E 0738 FSL 0759 FEL
	BHL	Sec 09 T09S R16E 1517 FSL 1500 FEL
43-013-51693	GMBU Q-9-9-16	Sec 09 T09S R16E 2006 FSL 1997 FWL
	BHL	Sec 09 T09S R16E 1011 FSL 1004 FWL
43-013-51694	GMBU H-9-9-16	Sec 09 T09S R16E 0466 FNL 2072 FWL
	BHL	Sec 09 T09S R16E 1553 FNL 2392 FEL
43-013-51695	GMBU G-9-9-16	Sec 09 T09S R16E 1965 FNL 1953 FWL
	BHL	Sec 09 T09S R16E 1192 FNL 1102 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land  
Management, ou=Branch of Minerals,  
email=Michael\_Coulthard@blm.gov, c=US  
Date: 2012.09.04 10:50:01 -06'00'

bcc: File - Greater Monument Butte Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:9-4-12

RECEIVED: September 04, 2012

VIA ELECTRONIC DELIVERY



September 4, 2012

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**GMBU D-13-9-16**  
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R16E Section 12: SWSW (UTU-035521A)  
630' FSL 687' FWL

At Target: T9S-R16E Section 33: NENW (UTU-64805)  
165' FNL 1398' FWL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 8/29/2012, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4121 or by email at [lburget@newfield.com](mailto:lburget@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in cursive script that reads "Leslie Burget".

Leslie Burget  
Land Associate

Form 3160-3  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU035521A
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator NEWFIELD PRODUCTION COMPANY Contact: MANDIE CROZIER Email: mcrozier@newfield.com		7. If Unit or CA Agreement, Name and No. GREATER MONUMENT
3a. Address ROUTE #3 BOX 3630 MYTON, UT 84052	3b. Phone No. (include area code) Ph: 435-646-4825 Fx: 435-646-3031	8. Lease Name and Well No. GMBU D-13-9-16
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSW 630FSL 687FWL At proposed prod. zone NENW 165FNL 1398FWL		9. API Well No.
14. Distance in miles and direction from nearest town or post office* 15.4 MILES SOUTH OF MYTON		10. Field and Pool, or Exploratory MONUMENT BUTTE
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 165'	16. No. of Acres in Lease 160.00	11. Sec., T., R., M., or Blk. and Survey or Area Sec 12 T9S R16E Mer SLB
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 970'	19. Proposed Depth 5955 MD 5842 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5492 GL	22. Approximate date work will start 01/01/2013	13. State UT
		17. Spacing Unit dedicated to this well 20.00
		20. BLM/BIA Bond No. on file WYB000493
		23. Estimated duration 7 DAYS

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |                                                                                                                                                 |                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.                                                                                                | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.                                                                                                                             | 5. Operator certification                                                                          |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) MANDIE CROZIER Ph: 435-646-4825	Date 08/29/2012
Title REGULATORY ANALYST		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## Additional Operator Remarks (see next page)

Electronic Submission #147780 verified by the BLM Well Information System  
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

API Well Number: 43013516800000

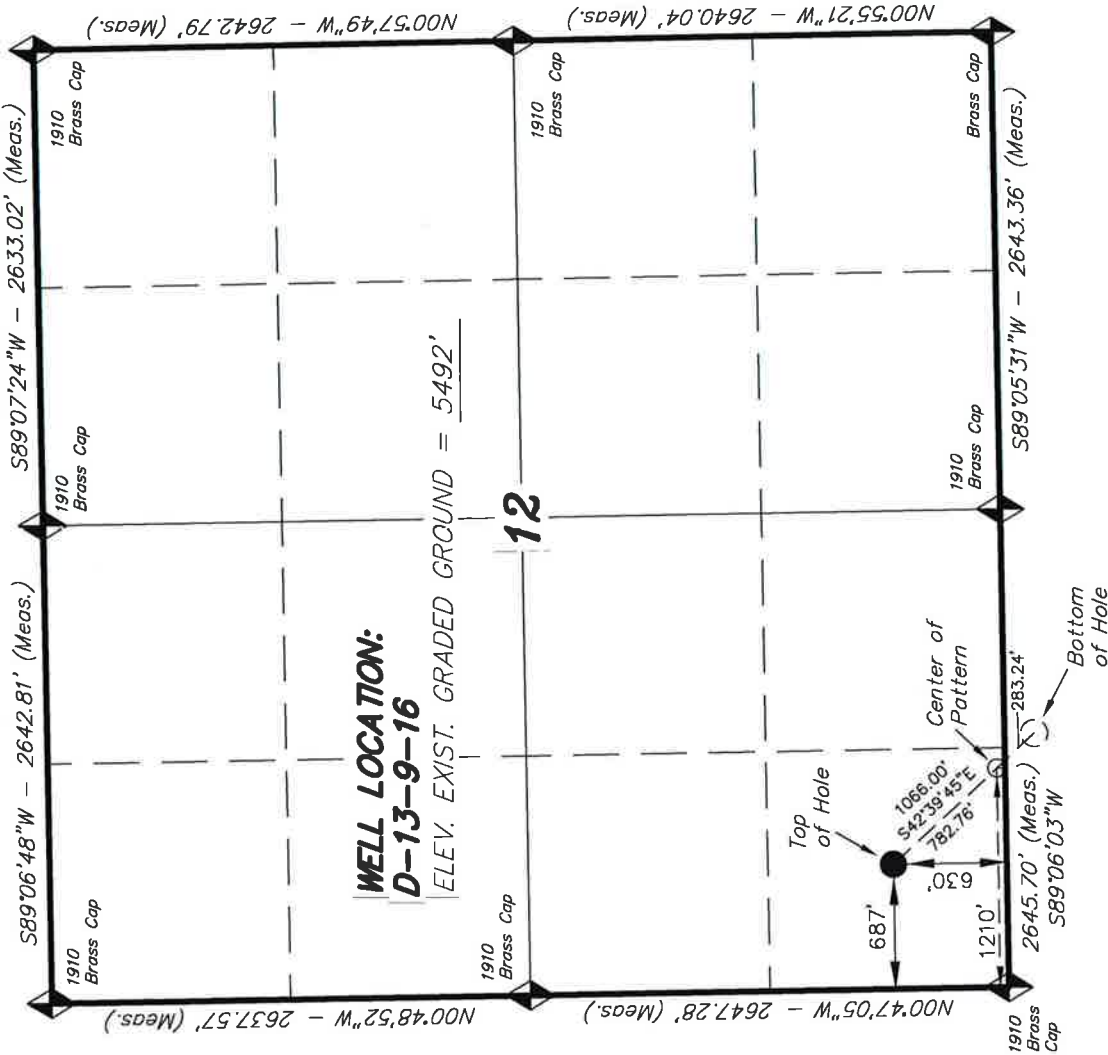
**Additional Operator Remarks:**

SURFACE LEASE: UTU-035521A  
BOTTOM HOLE LEASE: UTU-64805

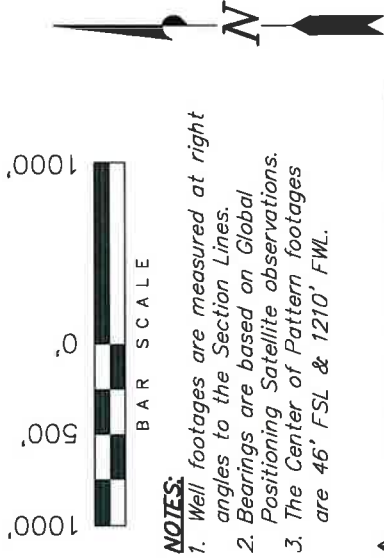


T9S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



WELL LOCATION, D-13-9-16, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 12, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



- NOTES:**
- Well footages are measured at right angles to the Section Lines.
  - Bearings are based on Global Positioning Satellite observations.
  - The Center of Pattern footages are 46' FSL & 1210' FWL.

SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
STACY W.  
05-29-12  
189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 02-08-12	SURVEYED BY: C.S.	VERSION: V2
DATE DRAWN: 05-29-12	DRAWN BY: F.T.M.	
REVISED:	SCALE: 1" = 1000'	

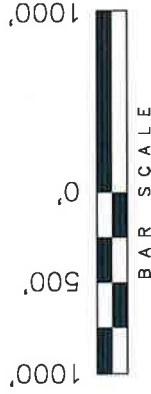
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°02'23.37"
LONGITUDE = 110°04'29.17"
<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°02'23.50"
LONGITUDE = 110°04'26.63"

# T9S, R16E, S.L.B.&M.

## NEWFIELD EXPLORATION COMPANY

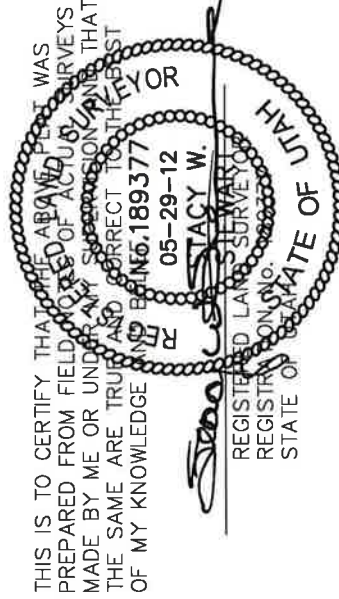
TARGET BOTTOM HOLE, D-13-9-16,  
LOCATED AS SHOWN IN THE NE 1/4  
NW 1/4 OF SECTION 13, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



### NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 165' FNL & 1398' FWL.

= SECTION CORNERS LOCATED



## TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

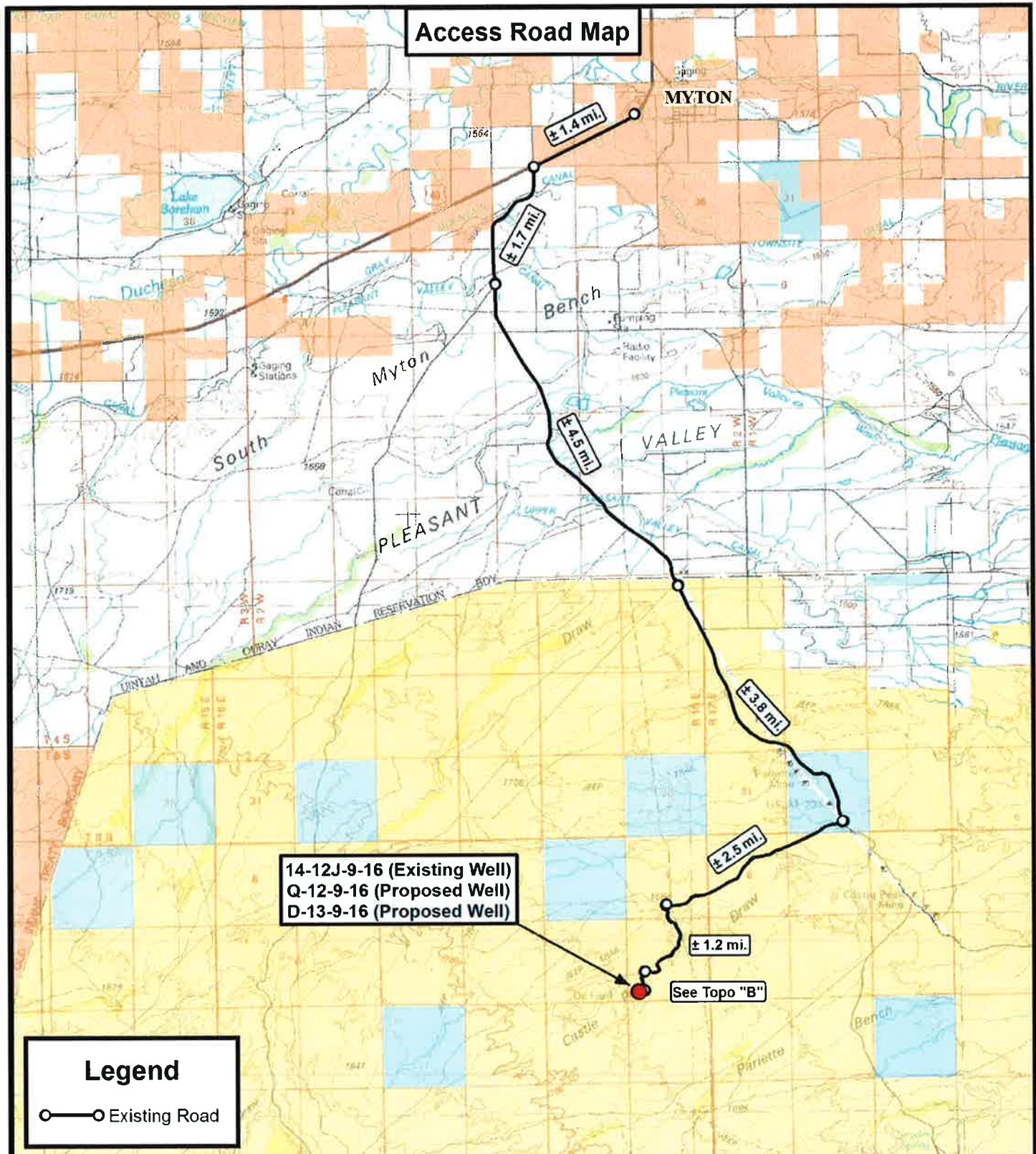
DATE SURVEYED: 02-08-12	SURVEYED BY: C.S.	VERSION: V2
DATE DRAWN: 05-29-12	DRAWN BY: F.T.M.	
REVISED:	SCALE: 1" = 1000'	



BASIS OF ELEV; Elevations are based on  
an N.G.S. OPUS Correction. LOCATION:  
LAT. 40°04'09.56" LONG. 110°00'43.28"  
(Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'15.51"
LONGITUDE = 110°04'20.04"
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 40°02'15.64"
LONGITUDE = 110°04'17.50"





**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

14-12J-9-16 (Existing Well)  
Q-12-9-16 (Proposed Well)  
D-13-9-16 (Proposed Well)  
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

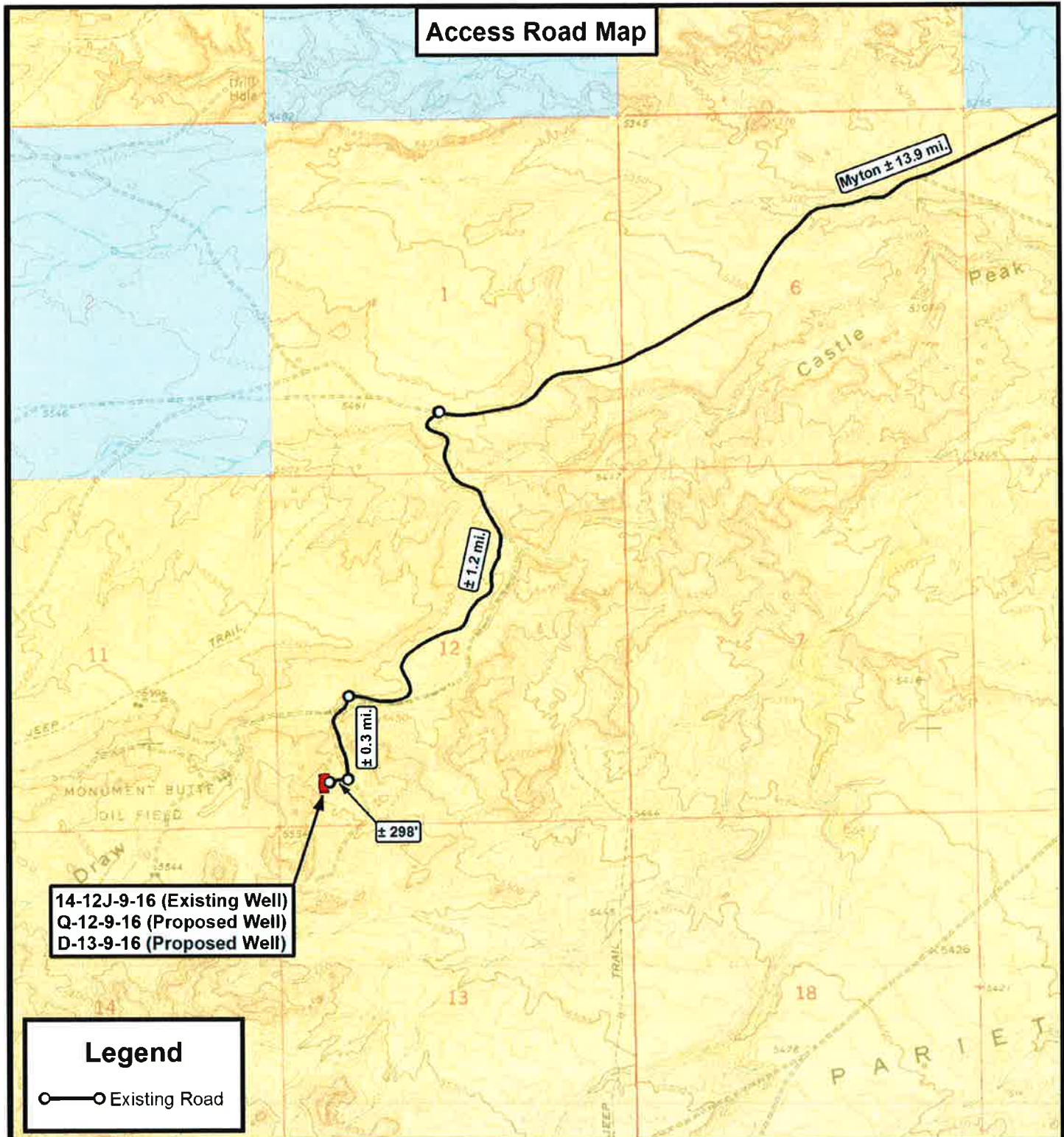
**TOPOGRAPHIC MAP**

SHEET

**A**

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	05-29-2012		V2
SCALE:	1:100,000		





THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



P: (435) 781-2501  
 F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

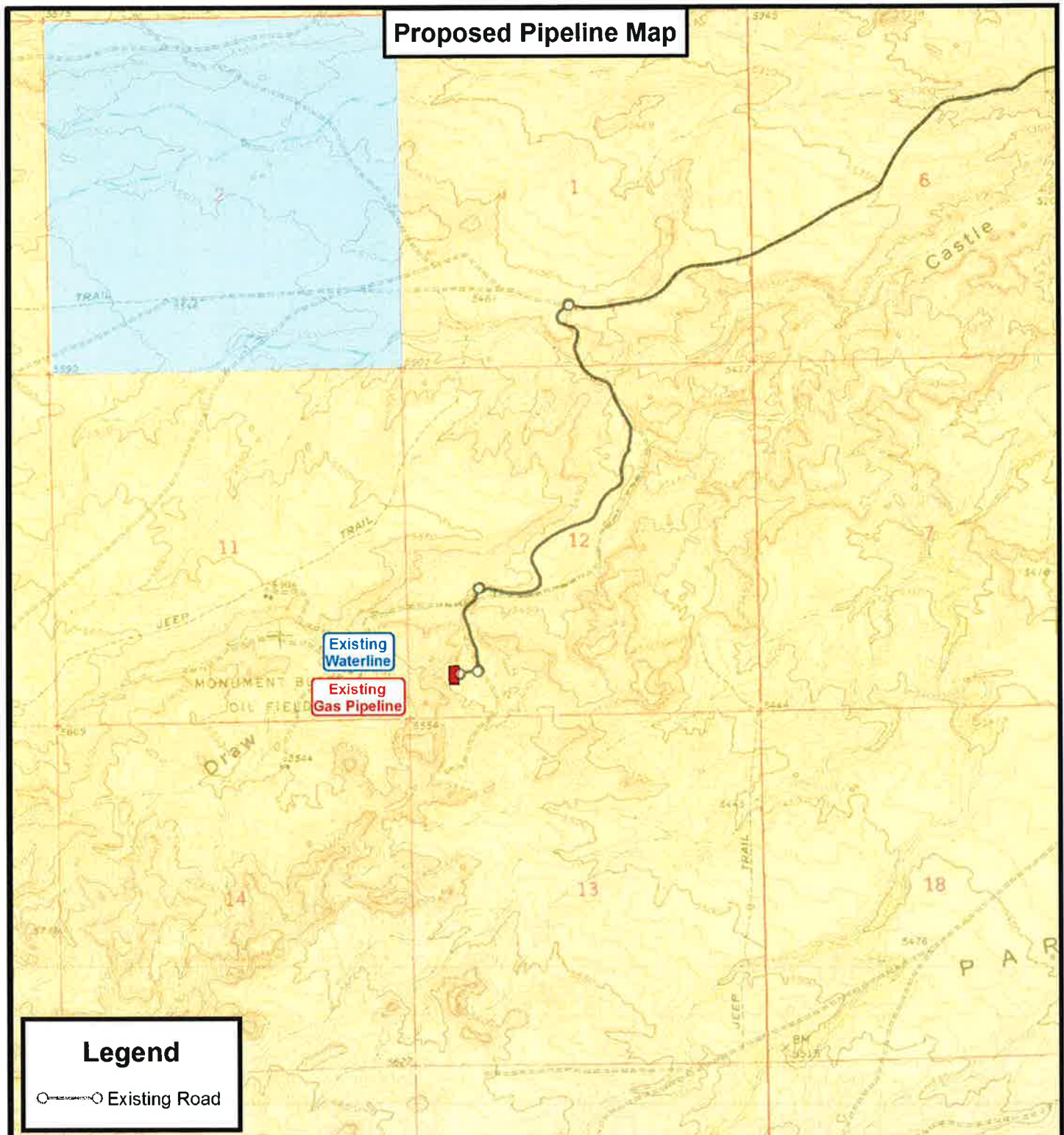
14-12J-9-16 (Existing Well)  
 Q-12-9-16 (Proposed Well)  
 D-13-9-16 (Proposed Well)  
 SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-29-12 A.P.C.	VERSION:
DATE:	03-01-2012			V2
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET  
**B**





THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



### NEWFIELD EXPLORATION COMPANY

14-12J-9-16 (Existing Well)

Q-12-9-16 (Proposed Well)

D-13-9-16 (Proposed Well)

SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	05-29-12 A.P.C.	VERSION:
DATE:	03-01-2012			<b>V2</b>
SCALE:	1" = 2,000'			

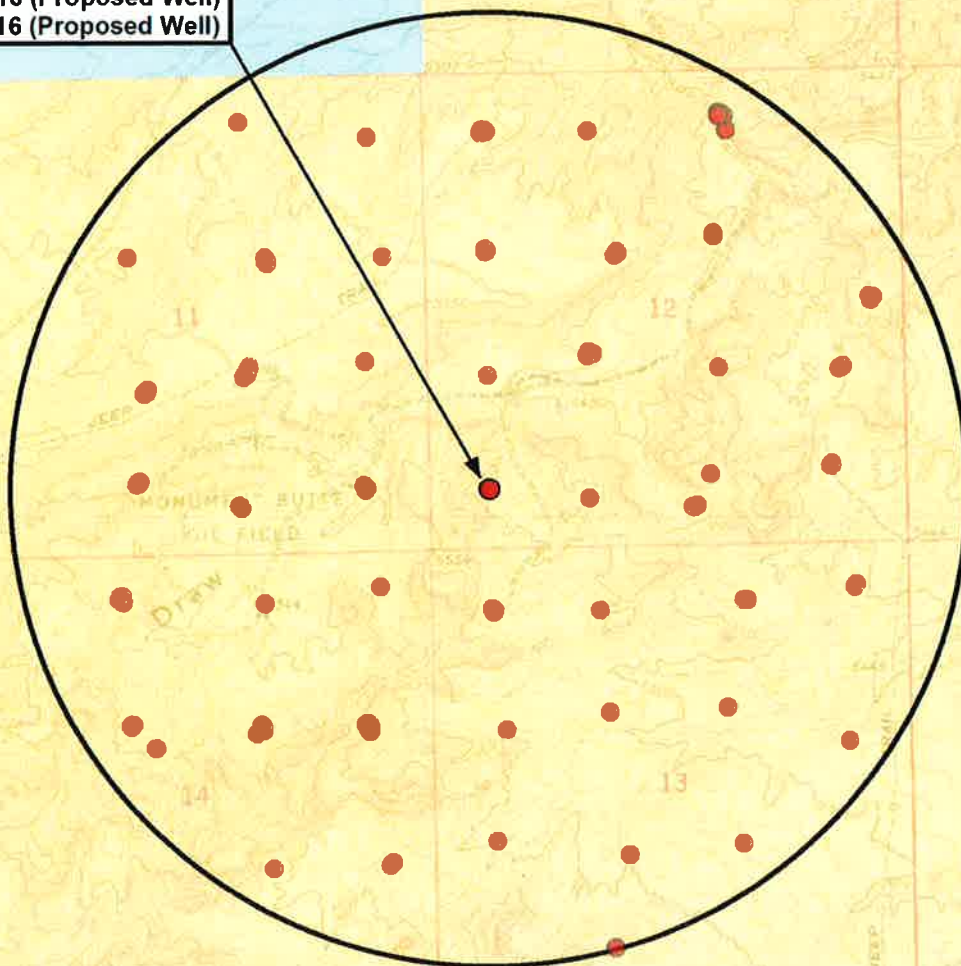
**TOPOGRAPHIC MAP**

SHEET

**C**

**Exhibit "B" Map**

14-12J-9-16 (Existing Well)  
Q-12-9-16 (Proposed Well)  
D-13-9-16 (Proposed Well)

**Legend**

- 1 Mile Radius  
● Pad Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

**NEWFIELD EXPLORATION COMPANY**

14-12J-9-16 (Existing Well)  
Q-12-9-16 (Proposed Well)  
D-13-9-16 (Proposed Well)  
SEC. 12, T9S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	05-29-2012		V2
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/28/2012

API NO. ASSIGNED: 43013516800000

WELL NAME: GMBU D-13-9-16

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SWSW 12 090S 160E

Permit Tech Review: ☒

SURFACE: 0630 FSL 0687 FWL

Engineering Review: ☐

BOTTOM: 0165 FNL 1398 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.03978

LONGITUDE: -110.07469

UTM SURF EASTINGS: 578939.00

NORTHINGS: 4432582.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-035521A

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: FEDERAL - WYB000493☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 437478☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit: GMBU (GRRV)

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason  
15 - Directional - dmason  
27 - Other - bhill

RECEIVED: September 18, 2012





GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** GMBU D-13-9-16  
**API Well Number:** 43013516800000  
**Lease Number:** UTU-035521A  
**Surface Owner:** FEDERAL  
**Approval Date:** 9/18/2012

### Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-035521A
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> GMBU D-13-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0630 FSL 0687 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 12 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013516800000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/3/2013	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 5/3/13 Pro Petro # 8 spud and drilled 345' of 12 1/4" hole, P/U and run 8 jts of 8 5/8" casing set 339.31'KB. On 5/5/13 cement w/Pro Petro w/175 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 yield. Returned 4bbls to pit, bump plug to 525psi,		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 08, 2013		
<b>NAME (PLEASE PRINT)</b> Cherei Neilson	<b>PHONE NUMBER</b> 435 646-4883	<b>TITLE</b> Drilling Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/8/2013	

Casing / Liner Detail

Well	GMBU D-13-9-16
Prospect	Monument Butte
Foreman	
Run Date:	
String Type	Conductor, 14", 36.75#, H-40, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
-------	--------	-----	-------------	----	----

20.00			10' KB		
10.00	10.00		Conductor	14.000	13.500
20.00			-		

Cement Detail							
Cement Company:							
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Description - Slurry Class and Additives		
Stab-In-Job?					Cement To Surface?		
BHT:					0	Est. Top of Cement:	
Initial Circulation Pressure:						Plugs Bumped?	
Initial Circulation Rate:						Pressure Plugs Bumped:	
Final Circulation Pressure:						Floats Holding?	
Final Circulation Rate:						Casing Stuck On / Off Bottom?	
Displacement Fluid:						Casing Reciprocated?	
Displacement Rate:						Casing Rotated?	
Displacement Volume:						CIP:	
Mud Returns:						Casing Wt Prior To Cement:	
Centralizer Type And Placement:					Casing Weight Set On Slips:		





Casing / Liner Detail

Well	GMBU D-13-9-16
Prospect	Monument Butte
Foreman	
Run Date:	
String Type	Surface, 8.625", 24#, J-55, STC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
339.31			10' KB		
10.00	1.42		Wellhead		
11.42	285.72	7	8 5/8 Casing	8.625	
297.14	41.23	1	Shoe Joint	8.625	
338.37	0.94		Guide Shoe	8.625	
339.31					

Cement Detail							
Cement Company:		Other					
Slurry Slurry 1	# of Sacks 175	Weight (ppg) 15.8	Yield 1.17	Volume (ft³) 204.75	Description - Slurry Class and Additives class G+2%kcl+.25#CF		
Stab-In-Job?		No			Cement To Surface?		Yes
BHT:		0			Est. Top of Cement:		0
Initial Circulation Pressure:					Plugs Bumped?		Yes
Initial Circulation Rate:					Pressure Plugs Bumped:		525
Final Circulation Pressure:					Floats Holding?		No
Final Circulation Rate:					Casing Stuck On / Off Bottom?		No
Displacement Fluid:		Water			Casing Reciprocated?		No
Displacement Rate:					Casing Rotated?		No
Displacement Volume:		18.2			CIP:		9:13
Mud Returns:					Casing Wt Prior To Cement:		
Centralizer Type And Placement:				Casing Weight Set On Slips:			
Middle of first, top of second and third for a total of three.							





BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro # 8  
Submitted By Branden Arnold Phone Number 435-401-0223  
Well Name/Number GMBU D-13-9-16  
Qtr/Qtr SW/SW Section 12 Township 9S Range 16E  
Lease Serial Number UTU-035521A  
API Number 43-013-51680

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5/3/13 8:00 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/4/13 3:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

---

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1

Submitted By Ryan Crum Phone Number 823-7065

Well Name/Number GMB D-13-9-~~15~~ 16

Qtr/Qtr SW/SW Section 12 Township 9S Range 16E

Lease Serial Number UTU-035521A

API Number 43-013-51680

Rig Move Notice – Move drilling rig to new location.

Date/Time 5-11-13 6:00 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point  
☐ BOPE test at intermediate casing point  
☐ 30 day BOPE test  
☐ Other

Date/Time 5-11-13 12:00 AM ☐ PM ☒

Remarks \_\_\_\_\_

---

**RECEIVED**

**MAY 10 2013**

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# NDSI SS #1

Submitted By Ryan Crum Phone Number 823-7065

Well Name/Number GMBU D-13-9-16

Qtr/Qtr SW/SW Section 12 Township 9s Range 16e

Lease Serial Number UTU-035521A

API Number 43-013-51680

TD Notice – TD is the final drilling depth of hole.

Date/Time 5/13/13 7:00PM AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☒ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/14/13 6:00 AM ☒ PM ☐

**RECEIVED**

**MAY 13 2013**

**DIV. OF OIL, GAS & MINING**



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
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<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/7/2013	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input checked="" type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>The above well was placed on production on 06/07/2013 at 13:00 hours. Production Start sundry re-sent on 08/05/2013.</p> </div> <div style="width: 35%; text-align: center;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining</b></p> <p><b>FOR RECORD ONLY</b></p> <p>August 05, 2013</p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/5/2013	

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

<b>1a. Type of Well</b> <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other <b>b. Type of Completion:</b> <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____										<b>6. If Indian, Allottee or Tribe Name</b>  <b>7. Unit or CA Agreement Name and No.</b> GMBU (GRRV)																																																																																														
<b>2. Name of Operator</b> NEWFIELD EXPLORATION COMPANY										<b>8. Lease Name and Well No.</b> GMBU D-13-9-16																																																																																														
<b>3. Address</b> 1401 17TH ST. SUITE 1000 DENVER, CO 80202					<b>3a. Phone No. (include area code)</b> (435) 646-3721					<b>9. AFI Well No.</b> 43-013-51680																																																																																														
<b>4. Location of Well (Report location clearly and in accordance with Federal requirements)*</b>  At surface 630' FSL & 687' FWL (SW/SW) SEC. 12, T9S, R16E (UTU-035521A)  At top prod. interval reported below 150' FSL & 1137' FWL (SW/SW) SEC. 12, T9S, R16E (UTU-035521A)  At total depth 187' FNL & 1431' FWL (NE/NW) SEC. 13, T9S, R16E (UTU-64805)															<b>10. Field and Pool or Exploratory</b> MONUMENT BUTTE					<b>11. Sec., T., R., M., on Block and Survey or Area</b> SEC. 12, T9S, R16E																																																																																				
<b>14. Date Spudded</b> 05/03/2013					<b>15. Date T.D. Reached</b> 05/14/2013					<b>16. Date Completed</b> 06/07/2013 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.					<b>17. Elevations (DF, RKB, RT, GL)*</b> 5492' GL +5502' KB																																																																																									
<b>18. Total Depth:</b> MD 6082' TVD 5965'					<b>19. Plug Back T.D.:</b> MD 6026' TVD					<b>20. Depth Bridge Plug Set:</b> MD TVD																																																																																														
<b>21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)</b> DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND										<b>22. Was well cored?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) <b>Was DST run?</b> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) <b>Directional Survey?</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)																																																																																														
<b>23. Casing and Liner Record (Report all strings set in well)</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Hole Size</th> <th>Size/Grade</th> <th>Wt. (#/ft.)</th> <th>Top (MD)</th> <th>Bottom (MD)</th> <th>Stage Cementer Depth</th> <th>No. of Sk. &amp; Type of Cement</th> <th>Slurry Vol. (BBL)</th> <th>Cement Top*</th> <th>Amount Pulled</th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>8-5/8" J-55</td> <td>24#</td> <td>0</td> <td>339'</td> <td></td> <td>175 CLASS G</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7-7/8"</td> <td>5-1/2" J-55</td> <td>15.5#</td> <td>0</td> <td>6073'</td> <td></td> <td>445 50/50 POZ</td> <td></td> <td>42'</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>210 PREMLITE</td> <td></td> <td></td> <td></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>															Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled	12-1/4"	8-5/8" J-55	24#	0	339'		175 CLASS G				7-7/8"	5-1/2" J-55	15.5#	0	6073'		445 50/50 POZ		42'								210 PREMLITE																																																					
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<b>28. Production - Interval A</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date First Produced</th> <th>Test Date</th> <th>Hours Tested</th> <th>Test Production</th> <th>Oil BBL</th> <th>Gas MCF</th> <th>Water BBL</th> <th>Oil Gravity Corr. API</th> <th>Gas Gravity</th> <th>Production Method</th> </tr> </thead> <tbody> <tr> <td>6/9/13</td> <td>6/19/13</td> <td>24</td> <td>➔</td> <td>131</td> <td>16</td> <td>21</td> <td></td> <td></td> <td>2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump</td> </tr> <tr> <td>Choke Size</td> <td>Tbg. Press. Flwg. SI</td> <td>Csg. Press.</td> <td>24 Hr. Rate</td> <td>Oil BBL</td> <td>Gas MCF</td> <td>Water BBL</td> <td>Gas/Oil Ratio</td> <td colspan="2">Well Status</td> </tr> <tr> <td></td> <td></td> <td></td> <td>➔</td> <td></td> <td></td> <td></td> <td></td> <td colspan="2">PRODUCING</td> </tr> </tbody> </table>															Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	6/9/13	6/19/13	24	➔	131	16	21			2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump	Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					➔					PRODUCING																																																			
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			➔					PRODUCING																																																																																																
<b>28a. Production - Interval B</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date First Produced</th> <th>Test Date</th> <th>Hours Tested</th> <th>Test Production</th> <th>Oil BBL</th> <th>Gas MCF</th> <th>Water BBL</th> <th>Oil Gravity Corr. API</th> <th>Gas Gravity</th> <th>Production Method</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>➔</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Choke Size</td> <td>Tbg. Press. Flwg. SI</td> <td>Csg. Press.</td> <td>24 Hr. Rate</td> <td>Oil BBL</td> <td>Gas MCF</td> <td>Water BBL</td> <td>Gas/Oil Ratio</td> <td colspan="2">Well Status</td> </tr> <tr> <td></td> <td></td> <td></td> <td>➔</td> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> </tbody> </table>															Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method				➔							Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					➔																																																								
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			➔																																																																																																					

\*(See instructions and spaces for additional data on page 2)

RECEIVED: Oct. 16, 2013

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD AND USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3608' 3816'
				GARDEN GULCH 2 POINT 3	3932' 4178'
				X MRKR Y MRKR	4460' 4496'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4622' 4867'
				B LIMESTONE MRK CASTLE PEAK	4989' 5473'
				BASAL CARBONATE WASATCH	5930' 6058'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jennifer PeatrossTitle Production TechnicianSignature Date 07/09/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

RECEIVED: Oct. 16, 2013



# NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 12 T9, R16

D-13-9-16

Wellbore #1

Design: Actual

## End of Well Report

23 May, 2013





**Payzone Directional**  
End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well D-13-9-16
Project:	USGS Mylon SW (UT)	TVD Reference:	D-13-9-16 @ 5502.0ft (NDSI SS #1)
Site:	SECTION 12 T9, R16	MD Reference:	D-13-9-16 @ 5502.0ft (NDSI SS #1)
Well:	D-13-9-16	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Project:	USGS Mylon SW (UT), DUCHESNE COUNTY, UT, USA	System Datum:	Mean Sea Level
Map System:	US State Plane 1983		
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site:	SECTION 12 T9, R16, SEC 12 T9S, R16E		
Site Position:		Northings:	7,187,142.02 ft
From:	Lat/Long	Easting:	2,041,496.20 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 2' 30.286 N
		Longitude:	110° 4' 2.413 W
		Grid Convergence:	0.92 °

Well	D-13-9-16, SHL LAT: 40 02 23.37 LONG: -110 04 28.17					
Well Position	+N/S	0.0 ft	Northings:	7,186,409.06 ft	Latitude:	40° 2' 23.370 N
	+E/W	0.0 ft	Easting:	2,039,426.77 ft	Longitude:	110° 4' 29.170 W
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,502.0 ft	Ground Level:	5,492.0 ft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/28/2012	11.20	65.76	52,172

Design		Actual		
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
Vertical Section:				0.0
	Depth From (TVD)	+N/S	+E/W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	137.34

Survey Program	Date	5/23/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
375.0	6,082.0	Survey #1 (Wellbore #1)	MMWD	MMWD - Standard





# Payzone Directional

End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well D-13-9-16
Project:	USGS Mylon SW (UT)	TVD Reference:	D-13-9-16 @ 5502.0ft (NDSI SS #1)
Site:	SECTION 12 T9, R16	MD Reference:	D-13-9-16 @ 5502.0ft (NDSI SS #1)
Well:	D-13-9-16	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	375.0	1.70	189.90	374.9	3.4	-5.5	-1.0	0.45	0.45	0.00
	405.0	1.50	189.80	404.9	3.9	-6.3	-1.1	0.67	-0.67	-0.33
	436.0	1.50	182.50	435.9	4.4	-7.1	-1.2	0.62	0.00	-23.55
	466.0	1.70	173.80	465.9	5.1	-7.9	-1.2	1.05	0.67	-29.00
	497.0	1.60	158.80	496.9	5.8	-8.8	-0.9	1.43	-0.32	-48.39
	527.0	1.90	143.80	526.9	6.7	-9.6	-0.5	1.82	1.00	-50.00
	557.0	2.30	147.70	556.9	7.8	-10.5	0.1	1.42	1.33	13.00
	588.0	2.40	137.40	587.8	9.1	-11.5	0.9	1.40	0.32	-33.23
	617.0	2.80	132.70	616.8	10.4	-12.4	1.8	1.56	1.38	-16.21
	648.0	2.90	123.10	647.8	11.9	-13.4	3.0	1.57	0.32	-30.97
	678.0	3.10	121.50	677.7	13.4	-14.2	4.4	0.72	0.67	-5.33
	708.0	3.60	121.50	707.7	15.1	-15.1	5.8	1.67	1.67	0.00
	739.0	4.00	122.10	738.6	17.1	-16.2	7.6	1.30	1.29	1.94
	769.0	4.00	123.60	768.5	19.1	-17.4	9.4	0.35	0.00	5.00
	799.0	4.30	128.20	798.5	21.2	-18.6	11.1	1.49	1.00	15.33
	829.0	4.40	131.00	828.4	23.5	-20.1	12.9	0.78	0.33	9.33
	860.0	4.20	132.80	859.3	25.8	-21.6	14.6	0.78	-0.65	5.81
	890.0	4.40	136.80	889.2	28.0	-23.2	16.2	1.20	0.67	13.33
	921.0	4.80	141.00	920.1	30.5	-25.1	17.8	1.69	1.29	13.55
	951.0	5.00	144.50	950.0	33.1	-27.1	19.4	1.20	0.67	11.67
	982.0	5.10	142.40	980.9	35.8	-29.3	21.0	0.68	0.32	-6.77
	1,012.0	5.50	138.40	1,010.7	38.6	-31.5	22.8	1.81	1.33	-13.33
	1,043.0	6.00	135.20	1,041.6	41.7	-33.7	24.9	1.92	1.61	-10.32
	1,089.0	6.80	134.40	1,087.3	46.8	-37.3	28.5	1.75	1.74	-1.74
	1,132.0	7.30	134.50	1,130.0	52.0	-41.0	32.3	1.16	1.16	0.23
	1,176.0	7.90	135.60	1,173.6	57.9	-45.1	36.4	1.40	1.36	2.50



# Payzone Directional

## End of Well Report



Company:	NEWFIELD EXPLORATION	Local Co-ordinate Reference:	Well D-13-9-16
Project:	USGS Mykon SW (UT)	TVD Reference:	D-13-9-16 @ 5502.0ft (NDSI SS #1)
Site:	SECTION 12 T9, R16	MD Reference:	D-13-9-16 @ 5502.0ft (NDSI SS #1)
Well:	D-13-9-16	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	1,220.0	8.50	138.30	1,217.1	64.1	-49.7	40.7	1.62	1.36	6.14
	1,264.0	9.00	137.10	1,260.6	70.8	-54.7	45.2	1.21	1.14	-2.73
	1,310.0	9.70	136.10	1,306.0	78.3	-60.1	50.3	1.56	1.52	-2.17
	1,355.0	10.20	136.80	1,350.3	86.1	-65.7	55.7	1.14	1.11	1.56
	1,401.0	10.50	135.90	1,395.6	94.3	-71.7	61.4	0.74	0.65	-1.96
	1,447.0	10.90	136.20	1,440.8	102.9	-77.9	67.3	0.88	0.87	0.65
	1,493.0	11.20	134.80	1,485.9	111.7	-84.2	73.5	0.87	0.65	-3.04
	1,539.0	11.00	132.60	1,531.1	120.5	-90.3	79.9	1.02	-0.43	-4.78
	1,584.0	11.30	132.00	1,575.2	129.2	-96.1	86.3	0.71	0.67	-1.33
	1,628.0	12.10	132.40	1,618.3	138.1	-102.1	92.9	1.83	1.82	0.91
	1,674.0	12.30	134.40	1,663.3	147.8	-108.8	100.0	1.02	0.43	4.35
	1,720.0	12.30	134.10	1,708.2	157.6	-115.6	107.0	0.14	0.00	-0.65
	1,765.0	12.60	134.00	1,752.2	167.2	-122.4	114.0	0.67	0.67	-0.22
	1,809.0	12.80	136.30	1,795.1	176.9	-129.2	120.8	1.24	0.45	5.23
	1,855.0	12.80	136.90	1,839.9	187.1	-136.6	127.8	0.29	0.00	1.30
	1,901.0	12.40	135.70	1,884.8	197.1	-143.9	134.7	1.04	-0.87	-2.61
	1,946.0	12.20	133.50	1,928.8	206.7	-150.6	141.6	1.13	-0.44	-4.89
	1,990.0	12.30	134.10	1,971.8	216.0	-157.1	148.3	0.37	0.23	1.36
	2,036.0	12.70	134.70	2,016.7	226.0	-164.1	155.4	0.91	0.87	1.30
	2,080.0	12.50	136.00	2,059.6	235.6	-170.9	162.2	0.79	-0.45	2.95
	2,124.0	13.10	138.10	2,102.6	245.3	-178.0	168.8	1.73	1.36	4.77
	2,168.0	13.50	138.10	2,145.4	255.4	-185.6	175.6	0.91	0.91	0.00
	2,211.0	13.40	139.60	2,187.2	265.4	-193.1	182.1	0.84	-0.23	3.49
	2,255.0	13.80	139.30	2,230.0	275.8	-201.0	188.9	0.92	0.91	-0.68
	2,299.0	13.50	139.40	2,272.7	286.1	-208.8	195.6	0.68	-0.68	0.23
	2,343.0	13.50	139.10	2,315.5	296.4	-216.6	202.3	0.16	0.00	-0.68
	2,389.0	13.00	139.00	2,360.3	306.9	-224.6	209.2	1.09	-1.09	-0.22



# Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Mylon SW (UT)  
 Site: SECTION 12 T9, R16  
 Well: D-13-9-16  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Database:  
 Well D-13-9-16  
 D-13-9-16 @ 5502.0ft (NDSI SS #1)  
 D-13-9-16 @ 5502.0ft (NDSI SS #1)  
 True  
 Minimum Curvature  
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	Dleg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	2,435.0	12.50	138.80	2,405.1	317.1	-232.2	215.9	1.09	-1.09	-0.43
	2,478.0	12.20	138.20	2,447.1	326.3	-239.1	222.0	0.76	-0.70	-1.40
	2,524.0	12.30	136.90	2,492.1	336.1	-246.3	228.6	0.64	0.22	-2.83
	2,568.0	12.70	136.10	2,535.1	345.6	-253.2	235.2	0.99	0.91	-1.82
	2,614.0	13.60	137.90	2,579.9	356.0	-260.9	242.3	2.15	1.96	3.91
	2,660.0	14.40	137.10	2,624.5	367.2	-269.1	249.8	1.79	1.74	-1.74
	2,703.0	14.90	138.70	2,666.1	378.0	-277.2	257.1	1.50	1.16	3.72
	2,747.0	15.60	139.30	2,708.5	389.6	-285.9	264.7	1.63	1.59	1.36
	2,793.0	15.60	138.10	2,752.8	402.0	-295.2	272.9	0.70	0.00	-2.61
	2,839.0	14.70	136.00	2,797.2	414.0	-304.0	281.0	2.29	-1.96	-4.57
	2,883.0	14.30	135.40	2,839.8	425.0	-311.9	288.7	0.97	-0.91	-1.36
	2,928.0	14.80	136.10	2,883.4	436.3	-320.0	296.6	1.18	1.11	1.56
	2,972.0	13.80	134.80	2,926.0	447.2	-327.7	304.2	2.39	-2.27	-2.95
	3,015.0	12.60	131.90	2,967.9	457.0	-334.5	311.4	3.19	-2.79	-6.74
	3,060.0	13.00	132.40	3,011.8	466.9	-341.2	318.8	0.92	0.89	1.11
	3,106.0	13.80	134.20	3,056.5	477.5	-348.5	326.5	1.96	1.74	3.91
	3,152.0	14.30	134.70	3,101.2	488.7	-356.3	334.5	1.12	1.09	1.09
	3,197.0	13.70	135.00	3,144.8	499.5	-364.0	342.2	1.34	-1.33	0.67
	3,241.0	13.60	134.20	3,187.6	509.9	-371.3	349.6	0.49	-0.23	-1.82
	3,287.0	13.50	133.80	3,232.3	520.7	-378.7	357.4	0.30	-0.22	-0.87
	3,331.0	13.30	133.40	3,275.1	530.9	-385.8	364.7	0.50	-0.45	-0.91
	3,375.0	13.60	134.50	3,317.9	541.1	-392.9	372.1	0.90	0.68	2.50
	3,420.0	13.20	134.60	3,361.7	551.5	-400.2	379.5	0.89	-0.89	0.22
	3,466.0	12.70	135.20	3,406.5	561.8	-407.5	386.8	1.13	-1.09	1.30
	3,510.0	12.00	135.70	3,449.5	571.2	-414.2	393.4	1.61	-1.59	1.14
	3,554.0	11.60	136.50	3,492.5	580.2	-420.7	399.7	0.98	-0.91	1.82
	3,598.0	11.50	138.20	3,535.7	589.0	-427.2	405.6	1.25	-0.23	6.14



# Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 12 T9, R16  
 Well: D-13-9-16  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Database:  
 Well D-13-9-16  
 D-13-9-16 @ 5502.0ft (NDSI SS #1)  
 D-13-9-16 @ 5502.0ft (NDSI SS #1)  
 True  
 Minimum Curvature  
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	3,644.0	11.10	138.70	3,580.8	598.0	-434.0	411.5	0.90	-0.87	-1.09
	3,688.0	10.90	139.30	3,624.0	606.4	-440.3	417.0	0.52	-0.45	1.36
	3,733.0	10.70	140.90	3,668.2	614.8	-446.8	422.4	0.80	-0.44	3.56
	3,779.0	10.60	140.00	3,713.4	623.3	-453.3	427.8	0.42	-0.22	-1.96
	3,825.0	10.60	140.80	3,758.6	631.8	-459.9	433.2	0.32	0.00	1.74
	3,871.0	10.90	140.10	3,803.8	640.3	-466.5	438.7	0.71	0.65	-1.52
	3,916.0	11.30	140.80	3,847.9	649.0	-473.2	444.2	0.94	0.89	1.56
	3,962.0	11.30	140.20	3,893.0	658.0	-480.1	449.9	0.26	0.00	-1.30
	4,008.0	10.90	138.60	3,938.2	666.8	-486.8	455.7	1.10	-0.87	-3.48
	4,054.0	10.80	139.30	3,983.4	675.5	-493.4	461.4	0.36	-0.22	1.52
	4,100.0	10.70	139.90	4,028.5	684.1	-499.9	467.0	0.33	-0.22	1.30
	4,145.0	10.80	139.20	4,072.8	692.4	-506.3	472.4	0.37	0.22	-1.56
	4,191.0	11.50	139.80	4,117.9	701.3	-513.1	478.2	1.54	1.52	1.30
	4,235.0	11.80	140.80	4,161.0	710.2	-519.9	483.9	0.82	0.68	2.27
	4,281.0	11.50	139.30	4,206.0	719.5	-527.0	489.8	0.93	-0.65	-3.26
	4,325.0	11.60	141.40	4,249.1	728.3	-533.8	495.4	0.98	0.23	4.77
	4,369.0	12.10	140.00	4,292.2	737.3	-540.8	501.2	1.31	1.14	-3.18
	4,413.0	12.80	141.30	4,335.2	746.8	-548.1	507.2	1.71	1.59	2.95
	4,456.0	12.70	140.90	4,377.1	756.2	-555.5	513.1	0.31	-0.23	-0.93
	4,500.0	12.90	140.60	4,420.0	766.0	-563.1	519.3	0.48	0.45	-0.68
	4,544.0	12.90	140.80	4,462.9	775.8	-570.7	525.5	0.10	0.00	0.45
	4,590.0	12.80	141.00	4,507.8	786.0	-578.6	532.0	0.24	-0.22	0.43
	4,636.0	12.40	139.00	4,552.6	796.0	-586.3	538.4	1.29	-0.87	-4.35
	4,640.3	12.41	138.96	4,556.9	796.9	-587.0	539.0	0.29	0.22	-0.90
D-13-9-16 TGT										
	4,681.0	12.50	138.60	4,596.6	805.7	-593.6	544.8	0.29	0.22	-0.89
	4,727.0	12.70	137.10	4,641.5	815.7	-601.0	551.5	0.83	0.43	-3.26



# Payzone Directional

End of Well Report



Company: NEWFIELD EXPLORATION  
 Project: USGS Myton SW (UT)  
 Site: SECTION 12 T9, R16  
 Well: D-13-9-16  
 Wellbore: Wellbore #1  
 Design: Actual

Local Co-ordinate Reference:  
 TVD Reference:  
 MD Reference:  
 North Reference:  
 Survey Calculation Method:  
 Database:  
 Well D-13-9-16  
 D-13-9-16 @ 5502.0ft (NDSI SS #1)  
 D-13-9-16 @ 5502.0ft (NDSI SS #1)  
 True  
 Minimum Curvature  
 EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	E/W (ft)	D Leg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	4,771.0	12.80	135.70	4,684.4	825.4	-608.1	558.2	0.74	0.23	-3.18
	4,816.0	13.00	134.60	4,728.3	835.5	-615.2	565.3	0.70	0.44	-2.44
	4,860.0	12.20	133.80	4,771.2	845.1	-621.9	572.2	1.86	-1.82	-1.82
	4,905.0	11.90	133.90	4,815.2	854.4	-628.4	579.0	0.67	-0.67	0.22
	4,949.0	12.00	134.10	4,858.3	863.5	-634.7	585.5	0.25	0.23	0.45
	4,993.0	11.70	134.50	4,901.3	872.6	-641.0	592.0	0.71	-0.68	0.91
	5,039.0	12.00	135.40	4,946.3	882.0	-647.7	598.7	0.77	0.65	1.96
	5,085.0	12.30	136.60	4,991.3	891.7	-654.7	605.4	0.85	0.65	2.61
	5,129.0	12.20	136.30	5,034.3	901.0	-661.4	611.8	0.27	-0.23	-0.68
	5,172.0	12.50	137.50	5,076.3	910.2	-668.1	618.1	0.92	0.70	2.79
	5,218.0	12.20	138.90	5,121.2	920.0	-675.5	624.7	0.92	-0.65	3.04
	5,262.0	11.70	139.10	5,164.3	929.2	-682.3	630.7	1.14	-1.14	0.45
	5,308.0	11.80	138.60	5,209.3	938.5	-689.4	636.8	0.31	0.22	-1.09
	5,352.0	11.80	137.70	5,252.4	947.5	-696.1	642.8	0.42	0.00	-2.05
	5,397.0	11.70	136.00	5,296.5	956.7	-702.8	649.1	0.80	-0.22	-3.78
	5,441.0	12.10	134.80	5,339.5	965.7	-709.2	655.5	1.07	0.91	-2.73
	5,487.0	12.70	136.10	5,384.4	975.6	-716.3	662.4	1.44	1.30	2.83
	5,533.0	14.00	139.60	5,429.2	986.2	-724.2	669.5	3.33	2.83	7.61
	5,577.0	14.30	140.30	5,471.9	997.0	-732.4	676.4	0.78	0.68	1.59
	5,621.0	14.10	142.80	5,514.5	1,007.7	-740.8	683.1	1.47	-0.45	5.68
	5,666.0	14.20	142.60	5,558.1	1,018.7	-749.6	689.8	0.25	0.22	-0.44
	5,710.0	13.60	141.70	5,600.9	1,029.2	-757.9	696.3	1.45	-1.36	-2.05
	5,756.0	12.70	142.70	5,645.7	1,039.6	-766.2	702.7	2.02	-1.96	2.17
	5,802.0	12.50	142.60	5,690.5	1,049.6	-774.2	708.8	0.44	-0.43	-0.22
	5,846.0	12.30	142.10	5,733.5	1,059.1	-781.7	714.6	0.52	-0.45	-1.14
	5,892.0	11.90	141.10	5,778.5	1,068.7	-789.2	720.6	0.98	-0.87	-2.17
	5,937.0	11.10	139.80	5,822.6	1,077.6	-796.1	726.3	1.87	-1.78	-2.89





**Payzone Directional**  
End of Well Report



<b>Company:</b>	NEWFIELD EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well D-13-9-16
<b>Project:</b>	USGS Myton SW (UT)	<b>TVD Reference:</b>	D-13-9-16 @ 5502.0ft (NDSI SS #1)
<b>Site:</b>	SECTION 12 T9, R16	<b>MD Reference:</b>	D-13-9-16 @ 5502.0ft (NDSI SS #1)
<b>Well:</b>	D-13-9-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Actual	<b>Database:</b>	EDM 2003.21 Single User Db

Survey	MD (ft)	Inc (°)	Azi (azimuth) (°)	TVD (ft)	V. Sec (ft)	N/S (ft)	EW (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)
	5,981.0	10.60	139.30	5,865.8	1,085.9	-802.4	731.6	1.16	-1.14	-1.14
	6,029.0	10.70	138.70	5,913.0	1,094.8	-809.1	737.5	0.31	0.21	-1.25
	6,062.0	10.70	138.70	5,965.1	1,104.6	-816.5 ←	743.9 →	0.00	0.00	0.00

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

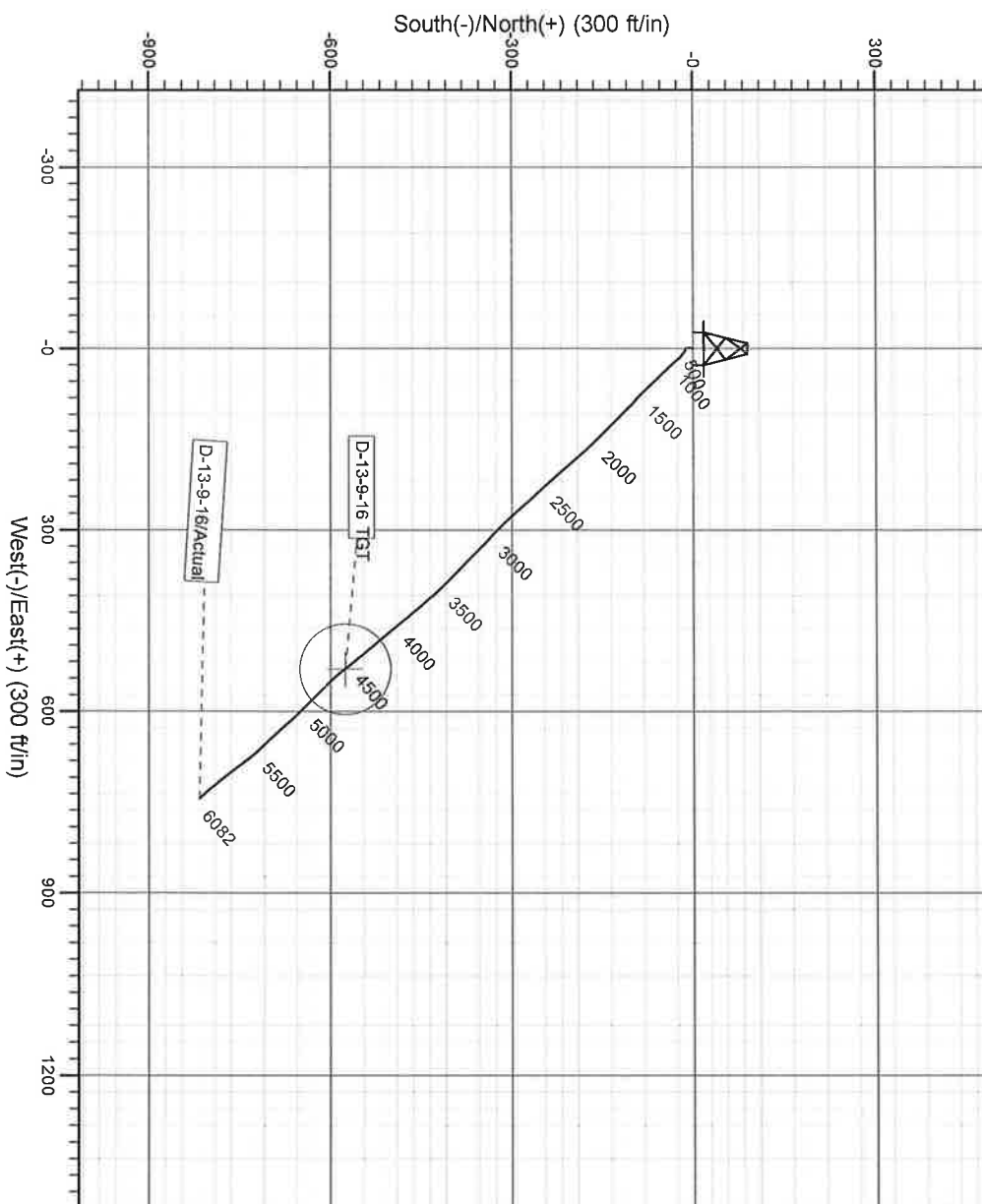
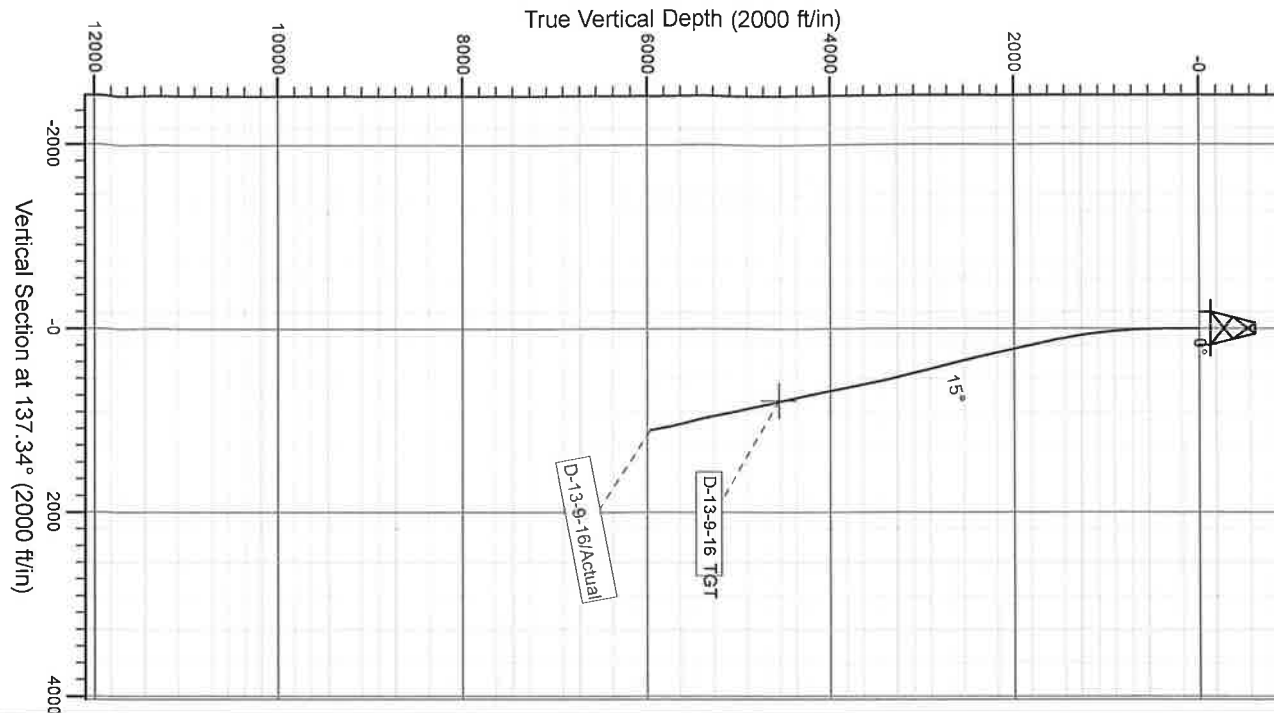


Project: USGS Myton SW (UT)  
 Site: SECTION 12 T9, R16  
 Well: D-13-9-16  
 Wellbore: Wellbore #1  
 Design: Actual



Azinuths to True North  
 Magnetic North: 11.20°

Magnetic Field  
 Strength: 52171.9nT  
 Dip Angle: 65.76°  
 Date: 5/28/2012  
 Model: IGRF2010



Design: Actual (D-13-9-16/Wellbore #1)

Created By: *Donna Webb* Date: 13:55, May 23 2013

THIS SURVEY IS CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND IS SUPPORTED  
 BY ACTUAL FIELD DATA

**Daily Activity Report****Format For Sundry****GMBU D-13-9-16****4/1/2013 To 8/30/2013****5/24/2013 Day: 1****Completion**

Rigless on 5/24/2013 - CBL/psi test csg & BOP/perforate stg1 - RU Extreme wireline. RIH w/CBL tools. Bond log from 5980' to surface under 0 psi. Estimated cement top @ 42'. SJ @ 3360-71'. - Ru B&C test truck. Test hydraulic cavities-good test - RIH w/3 1/8" slick guns (16g, 0.34 EH, 21.00 pen). Perforate stg 1 @ CP .5 5512-16', 5505-07' w/ 3 spf for total of 18 shots. RD wireline & test truck. - RU B&C test truck. Load & test csg to 4300# for 30 min against BOP-good. Test frac valve & csg valves-good.

**Daily Cost:** \$0**Cumulative Cost:** \$38,816**5/29/2013 Day: 2****Completion**

Rigless on 5/29/2013 - Frac stg1-5. Flowback well. - Stage #3, C & D2 sands. 1611 psi on well. Frac C & D2 sds w/31,487#s of 20/40 White sand in 182 bbls Lightning 17 fluid. Broke @ 3254 psi @ 3.2 BPM. Treated w/ ave pressure of 2912 psi @ ave rate of BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISDP 1992 psi. FG=.85, 5 min SIP1755 psi, 10 min SIP 1719 psi, 15 min SIP 1694 psi. Leave pressure on well. RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/BakerHughes blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4450'. Perforate PB10 sds @ 4376-80' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/ 3 spf for total of 12 shots. 355 total BWTR - Stage #4, PB10 sands. 1418 psi on well. Frac PB10 sds w/24,200#s of 20/40 White sand in 142 bbls Lightning 17 fluid. Broke @ 1582 psi @ 4.7 BPM. Treated w/ ave pressure of 2452 psi @ ave rate of 25.1 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISDP 1991 psi. FG=.89, 5 min SIP 1643 psi, 10 min SIP 1536 psi, 15 min SIP 1503 psi. Leave pressure on well. RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/BakerHughes blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4250'. Perforate GB6 & GB2 sds @ 4172-76?, 3974-76' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/ 3 spf for total of 18 shots. 295 total BWTR - Stage #5, GB6 & GB2 sands. 1339 psi on well. Frac GB6 & GB2 sds w/65,877#s of 20/40 White sand in 171 bbls Lightning 17 fluid. Broke @ 1533 psi @ 3.5 BPM. Treated w/ ave pressure of 2788 psi @ ave rate of 33.8 BPM. ISDP 1600 psi. FG=.83, 5 min SIP 1359 psi, 10 min SIP 1336 psi, 15 min SIP 1298 psi. 521 total BWTR - Flowback well. RD Baker Hughes & Extreme wireline. Well turned to oil. Recovered approx. 700 bbls fluid. - Stage #2, A3 & B2 sands. 1597 psi on well. Frac A3 & B2 sds w/52,229#s of 20/40 White sand in 246 bbls Lightning 17 fluid. Broke @ 2034 psi @ 3.7 BPM. Treated w/ ave pressure of 3049 psi @ ave rate of 39 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISDP 1857 psi. FG=.82, 5 min SIP 1697 psi, 10 min SIP 1632 psi, 15 min SIP 1612 psi. Leave pressure on well. RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/BakerHughes blender. RIH w/ Weatherford 5-1/2" 5K total composite flow through frac plug, perf guns. Set plug @ 4880'. Perforate C & D2 sds @ 4804-07?, 4733-35' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/ 3 spf for total of 15 shots. 458 total BWTR - PSI test frac iron to 6500#-good test. Test pump kickouts-good. - Safety mtg - RU frac lines/bucket test chemicals - Stage #1, CP.5 sands. 135 psi on well. Frac CP.5 sds w/43,722#s of 20/40 White sand in 246 bbls Lightning 17 fluid. Broke @ 3064 psi @ 3.8 BPM. ISIP 1325 psi, FG=.67, 1 min SIP 1177 psi, 4 min SIP 810 psi. Treated w/ ave pressure of 2324 psi @ ave rate of 36.2 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISDP 2059 psi. FG=.81, 5 min SIP 1733 psi, 10 min SIP 1679 psi, 15 min SIP 1654 psi. Leave pressure on well. RU Extreme WLT, crane & lubricator. Pressure test lubricator to 4000 psi w/BakerHughes blender. RIH w/ Weatherford 5-1/2" 5K

total composite flow through frac plug, perf guns. Set plug @ 5230'. Perforate A3 & B2 @ 5153-57?, 4956-58?, 4953-54' w/ 3 1/8" slick guns (16g, 0.34 EH, 21.00 pen) w/ 3 spf for total of 21 shots. 473 total BWTR

**Daily Cost:** \$0

**Cumulative Cost:** \$124,126

**5/31/2013 Day: 3**

**Completion**

Rigless on 5/31/2013 - Set KP @ 3900', offload tbg. - Offload tbg. Wait on rig. High winds, rig unable to rig down off previous location due to high wind. - Safety mtg. RU Extreme Wireline. - RIH w/Haliburton plug. Set KP @ 3900'. Open well, bleed off psi. Plug is holding. POOH w/wireline. - RD wireline. Set pipe racks.

**Daily Cost:** \$0

**Cumulative Cost:** \$126,831

**6/6/2013 Day: 4**

**Completion**

Nabors #1423 on 6/6/2013 - MIRUSU, psi test BOP, RIH w/tbg, tag KP - ND frac valve-NU double pipe rams - RU B&C Quicktest-test BOPs-good test - MIRUSU - prep & tally tbg-MU 4 3/4" chomp mill, RIH w/1 jt, x nipple, 124 jts. Tag KP @ 3900'. Strip off wiping rubber, strip on drilling rubber. RU RBS pwr swvl, RU pump & retrun lines. SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$132,160

**6/7/2013 Day: 5**

**Completion**

Nabors #1423 on 6/7/2013 - Drill out plugs, C/O tp PBTD, RT/land tbg - crew travel & safety mtg - Crew travel - Set TAC from floor, land tng on hanger, RD workflow, ND double gate pipe rams, ND single gate blind rams, unland tbg, remove sub from below hanger, reland tbg in 18000# tension, NU WH & flowtee, change over for rods - SWIFN - 0 psi on csg & tbg. Catch circulation, drill up KP (15min), swvl jts dwn, tag 1st plug @ 4250', drill up plug (20min), swvl jts in, tag fill @ 400", clean out 50' of sand to 2nd plug @ 4450', drill up plug (15min), hang swvl back, PU tbg, tag fill @ 4750', unhang swvl, clean out 130' of sand to 3rd plug @ 4880', drill up plug (15min), swvl jts in, tag fill @ 5180', clean out 40' of sand to 4th plug @ 5220', drill up plug (20min), hang swvl back, PU tbg, tag fill @ 5970', unhang swvl, clean out 56' of sand to PBTD @ 6026', circulate well clean w/180 bbls 7% KCL, rack out RBS pwr swvl, LD 14 jts-18 total out. - POOH w/178 jts, LD bit & bit sub - jMU BHA-RIH w/production - NC, 2 jts, SN, 1 jt, TAC, 175 jts.

**Daily Cost:** \$0

**Cumulative Cost:** \$139,555

**6/10/2013 Day: 6**

**Completion**

Nabors #1423 on 6/10/2013 - RIH w/production string. PWOP - RD, rack out pump & hardline, clean up location - Fill tbg w/1bbl, stroke test pump to 800 psi-good test. Hang horse head, PWOP @ 14:00 w/144" stroke length @ 4 spm. - SICP 100 psi - SITP 20 psi. Bleed off well, spot in rod trailer, prep rods. PU & prime, RIH w/production - 30 7/8" 8 per guided, 115 3/4" 4 per guided, 74 7/8" 4 per guided, 1 7/8"x8' pony, 1 7/8"x2' pony. RD workflow, PU polish rod, seat pump - Crew travel & safety mtg - Crew travel **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$231,895

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**Pertinent Files: Go to File List**